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### REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	Rel. to Prod. per E.O. 5616	2-9-79	✓
B	Incorporated E.O. 3217	7-25-79	✓
C	Incorporated E.O. 3677	4-29-80	✓

D Incorporated E.O. 3788

7-16-80

✓

## PRODUCTION RELEASE

### TABLE OF CONTENTS

Drawing Number	Title	Rev.	No. Sheets
MD 703150	Maintenance Drawing Package Cover Sheet	D	1
703150	Kit, Floppy Disc System, PM-XS11	A	1
701735	Chassis Assembly, Flexible Disc System PM-XS11	D	3
PL 701735-100	Parts List, Chassis Assembly Dual Drive 60HZ	D	2
PL 701735-101	Parts List, Chassis Assembly Dual Drive 50 HZ	E	2
PL 701735-102	Parts List, Chassis Assembly Single Drive 60 HZ	D	2
PL 701735-103	Parts List, Chassis Assembly Single Drive 50 HZ	D	2
701032	Board Assembly, Controller, PM-XC11	B	1
PL 701032-100	Parts List, Bd. Assembly, Controller, PM-XC11	B	3
SD 701032	Schematic Diagram, Controller, PM-XC11	B	7
64111	Power Supply Assembly (100057)	3-29-77	1
64405	Board Assembly & Schematic, Power Supply (100057)	11-11-76	2
701803	Cable Assembly, Signal, PM-XS11	A	1
SK 701348	Cable Assembly, AC PM-XS11	X3	1
SK 701349	Cable Assembly, DC, PM-XS11	X3	1
SK 701347	Cable Assembly, Signal, PM-XS11	A	1

## Maintenance Drawing Package

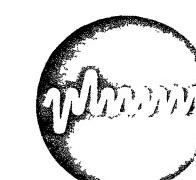
Products  
Covered by this  
Drawing Package

PM-XS11/A  
PM-XS11/B  
PM-XC11

DO NOT SCALE DRAWING	CONTRACT NO.		
SCREW THREADS PER HANDBOOK H-20	DRAWN N. Glass ✓		
COUNTERBORE AND SPOTFACE FILLET RADII TO BE .010 MAXIMUM	CHECK N. Glass ✓ 3-19-79		
REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO .010R	DESIGN		
ROUGHNESS OF MACHINED SURFACES 125 PER USAS B44.1	PROJ. ENGR. Ericson 2-12-79		
STANDARD HOLE TOLERANCE PER AND ICS87	DRAWING TITLE: MAINTENANCE DRAWING PACKAGE		
TOLERANCES ON X X ± .05 RXX ± .010 ANGLES ± 5° 30'	PM-XS11 Floppy Disc System		
INTERPRET DIMENSIONS AND TOLERANCES PER USAS Y14.5	SIZE <b>B</b>	CODE IDENT NO. 52648	DWG NO. MD 703150
DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH			
UNLESS OTHERWISE SPECIFIED	OTHER	SCALE:	
	APPROVALS	SHEET 1 OF 1 (31)	



Plessey Peripheral Systems



Plessey  
Peripheral  
Systems

APPLICATION		REVISIONS		
NEXT ASSY	USED ON	LTR	DESCRIPTION	DATE APPROVED
FINAL	PM-XS11	A	RELEASE TO PRODUCTION PER EO 5209	10-31-78
		A	INCORP EO 2884	8-21-79

**PRODUCTION RELEASE**

REV STATUS OF SHEETS	REV LTR											
	SHEET											
	REV LTR	A	A	A								
	SHEET	1	2	3								

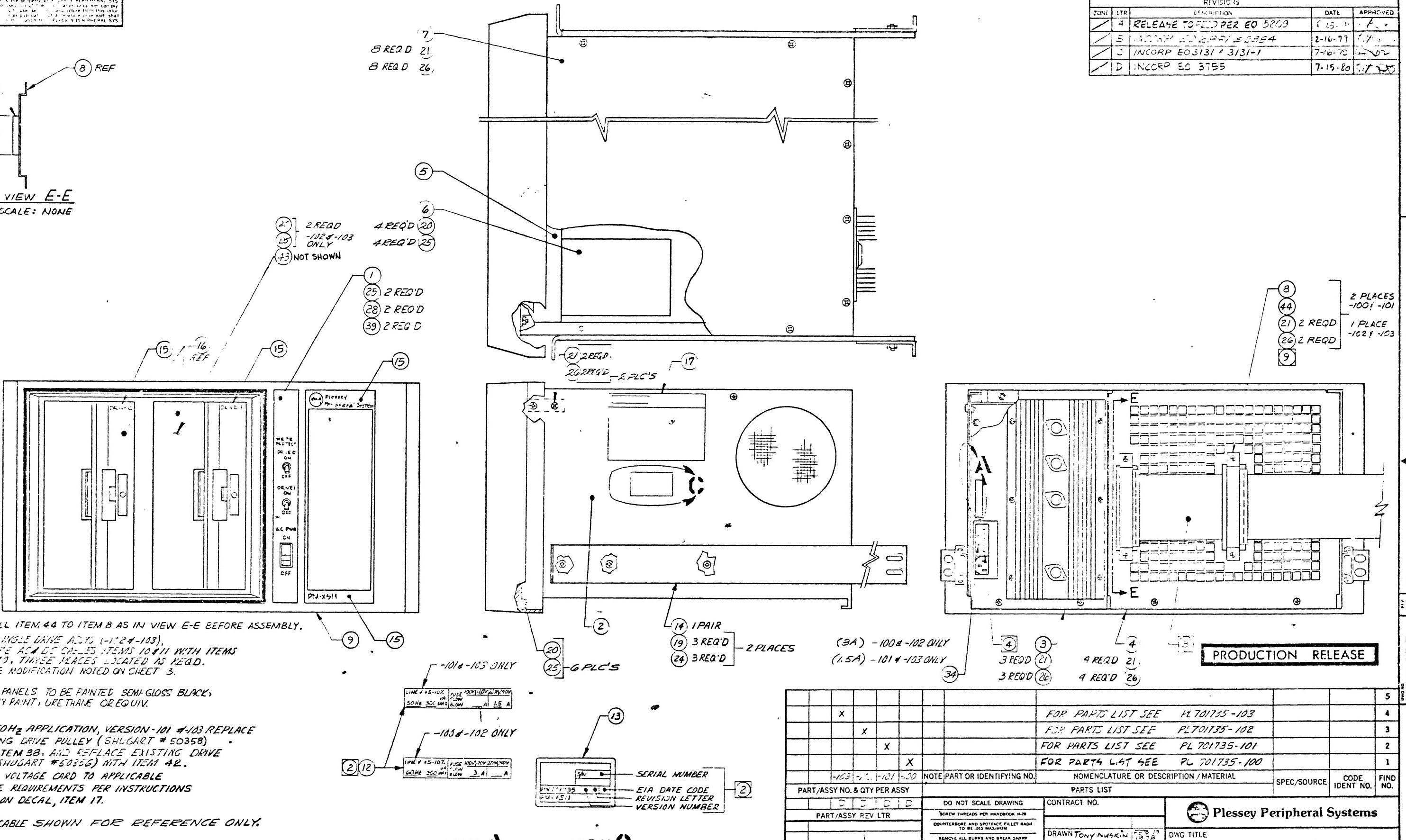
DO NOT SCALE DRAWINGS		CONTRACT NO.	
SCREW THREADS ARE PER HANDBOOK INC		DRAWN BY	10-30-78
DRAWINGS AND SPECIFICATIONS ARE TO BE THE BASIS FOR MANUFACTURE		CHECKED BY	10-31-78
DESIGNS ALL SURFACES AND DRAWINGS DESIGN EQUIVALENT TO G16		DESIGN	
DIMENSIONS OF MACHINED SURFACES IN INCHES		PROJ. ENGR	10-31-78
STANDARD HOLE TOLERANCES ARE AS PER ASME Y14.5M		APPROV	10-31-78
TOLERANCES ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH		OTHER	
INTERFERENCES AND TOLERANCES PER ASME Y14.5M		APPROVALS	
DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH			
UNLESS OTHERWISE SPECIFIED			


**Plessey Peripheral Systems**  
 DWG TITLE  
 KIT, FLOPPY DISC SYSTEM, PM-XS11  
 SIZE    CODE IDENT NO.    DWG NO.  
 A       52648       703150

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Form 000087

REVISION IS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
/	A	RELEASE TO FED PER EO 5209	8-15-71	F..
/	E	INC RP EO 3131 & 3354	2-16-77	Y..
/	C	INCP EO 3131 & 3131-1	7-16-70	✓✓✓
/	D	INCP EO 3755	7-15-80	✓✓✓



										5
X					FOR PARTS LIST SEE	PL 701735-103				4
	X				FOR PARTS LIST SEE	PL 701735-102				3
		X			FOR PARTS LIST SEE	PL 701735-101				2
		X			FOR PARTS LIST SEE	PL 701735-100				1
-103	-1	-101	-100	NOTE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC/SOURCE	CODE IDENT NO.	FIND NO.	
PART/ASSY NO. & QTY PER ASSY				PARTS LIST						
D	D	I	I	DO NOT SCALE DRAWING	CONTRACT NO.		 Plessey Peripheral Systems			
PART/ASSY REV LTR				SCREW THREADS PER HANDBOOK H-28			DWG TITLE			
				COUNTERBORE AND SPOTFACE FILLET RADII TO BE .010 MAXIMUM			CLASSIS ASSEMBLY			
				REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO 1/16 INCH			FLEXIBLE DISC, PM-X511			
				ROUGHNESS OF MACHINED SURFACES 12.5 μ INCHES PER USAS B-81						
				STANDARD HOLE TOLERANCE PER AND 10287						
				TOLERANCES ON JX ± .03 XXX = ± .018 INCH ANGLES = ± 0° 30'						
				INTERPRET DIMENSIONS AND TOLERANCES PER USAS Y105						
				DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FIN SH						
				UNLESS OTHERWISE SPECIFIED						
PART NO.	NEXT ASSY	USED ON	APPLICATION	OTHER	APPROVALS	SCALE: 1/12	SHEET 1 OF 3	D	52648	701735

8

7

6

5

4

3

2

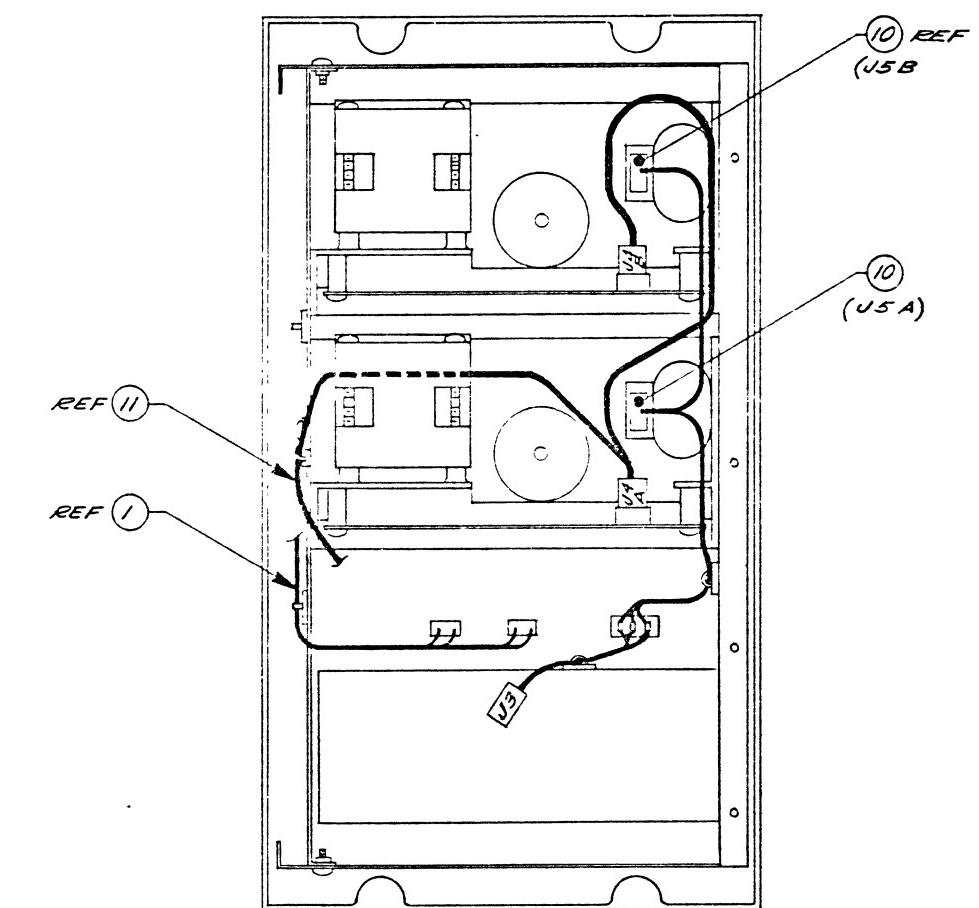
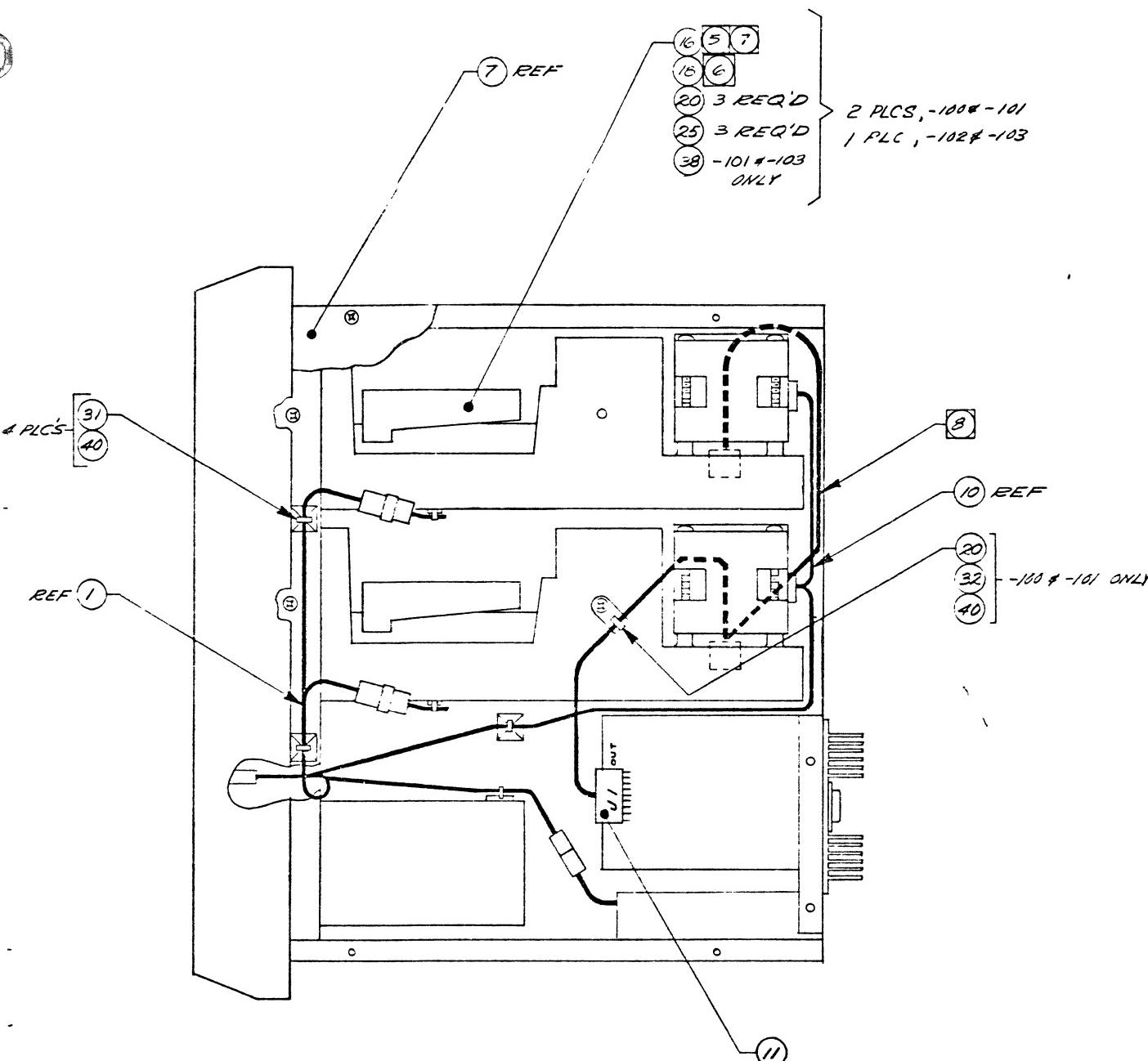
1

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REVISIONS

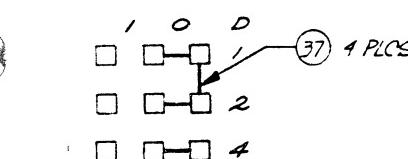
ZONE	LTR	DESCRIPTION	DATE	APPROVED
/	/	SEE SHEET 1		

701735



SIZE CODE IDENT NO. DWG NO.  
**D 52648 701735**  
 SCALE: 1/2 SHEET 2 OF 3  
 DISTR NO

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DRIVE 0  
JUMPER CONFIGURATION  
-123, -101, -102, -103

*DRIVE 1  
JUMPER CONFIGURATI  
-103, -101*

- VIEW **13**  
SCALE: 5'

23

- └ REVERSE JUMPER BLOCK FROM HL AND MOVE TO DS.
- └ REVERSE JUMPER BLOCK FROM AL AND MOVE TO "Y".

SEE SHEET 1

(36) 4 PLC'S

P2

WHITE

GRAY

APPROX 1.00

15.00 ± .50

(74)

(91) A/R

WHITE WIRE PIN 2

(30)

GRAY WIRE PIN 1

(30)

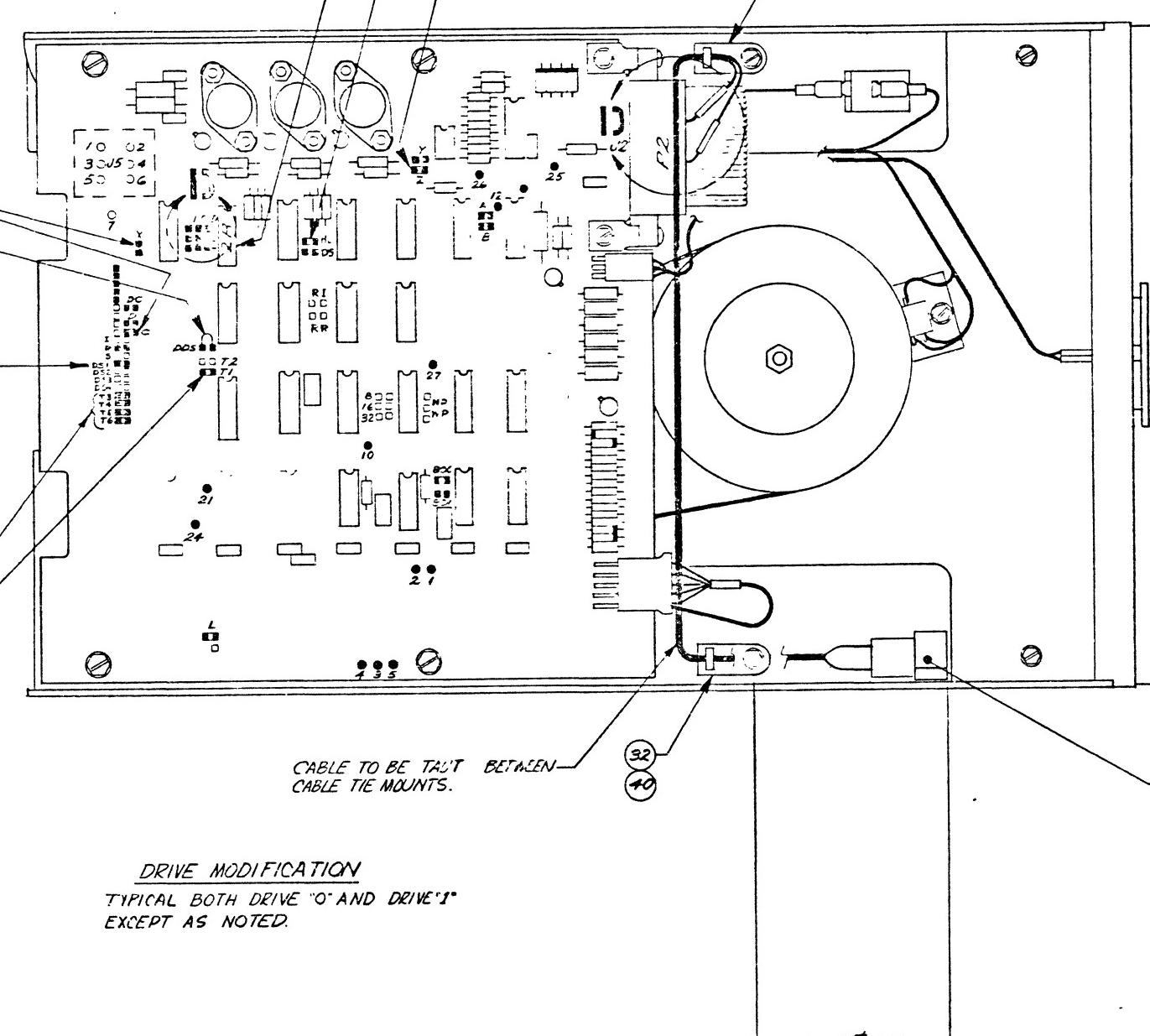
(33) 2 PEQ

PIN

VIEW **13**  
SCALE: NONE

## WRITE PROTECT CABLE MODIFICATION

1. CUT GRAY WIRE COMMING FROM P2 -L4.
  2. CUT WHITE WIRE COMMING FROM P2 -R8.
  3. SPLICE 22 AWG GRAY WIRE AS SHOWN IN VIEW D.
  4. SPLICE 22 AWG WHITE WIRE AS SHOWN IN VIEW D.
  5. CAP REMAINING TWO WIRES WITH HEATSHRINK TUBING (ITEM 36) AND TIE BACK IN BUNDLE.



DUAL DRIVE  
(-100 & -101)

[ REMOVE T1,T3,T4,T5 & T6 -  
FOR "DRIVE 0" OPERATION  
JUMPER BLOCKS REMAIN IN PLACE  
FOR "DRIVE 1" OPERATION.

SINGLE DRIVE

- JUMPER BLOCKS FOR T1, T3, T4, T5  
AND TG REMAIN IN PLACE FOR SINGLE  
DRIVE OPERATION (DRIVE 0)

DRIVE MODIFICATION

TYPICAL BOTH DRIVE "O" AND DRIVE  
EXCEPT AS NOTED.

SIZE	CODE IDENT NO.	DWG NO.
D	52648	701735
SCALE: 1/2		SHEET 3 OF 3
DISTR NO		

PARTS LIST	Plessey Microsystems																																												
PREPARED BY: T. POLEJUSKI 5-2-73 CHECKED BY: R. GUNN 5-2-73 APPROV'D BY: J. L. 9-1-73 APPROV'D BY: J. L. 8-2-78 MODEL NO.: PM-X511																																													
<b>CHASSIS ASSEMBLY</b> <b>FLOPPY DISC DUAL DRIVE</b> <b>60Hz FM-X511</b>																																													
<table border="1"> <tr> <td>ITEM</td> <td>DESCRIPTION</td> <td>DATE APPROVED</td> <td>LTR</td> <td>ITEM</td> <td>DESCRIPTION</td> <td>DATE APPROVED</td> </tr> <tr> <td>A</td> <td>REL TO PCD FER ES 5209</td> <td>10-3-77</td> <td>DW XRD</td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>INCORP EO 3000</td> <td>4-13-77</td> <td>J. F. RUS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>INCORP EO 3131</td> <td>7-16-77</td> <td>J. F. RUS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>INCORP EO 3162</td> <td>7-16-77</td> <td>J. F. RUS</td> <td></td> <td></td> <td></td> </tr> <tr> <td>D</td> <td>INCORP EO 3755</td> <td>7-15-80</td> <td>J. F. RUS</td> <td></td> <td></td> <td></td> </tr> </table>				ITEM	DESCRIPTION	DATE APPROVED	LTR	ITEM	DESCRIPTION	DATE APPROVED	A	REL TO PCD FER ES 5209	10-3-77	DW XRD				A	INCORP EO 3000	4-13-77	J. F. RUS				B	INCORP EO 3131	7-16-77	J. F. RUS				C	INCORP EO 3162	7-16-77	J. F. RUS				D	INCORP EO 3755	7-15-80	J. F. RUS			
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<b>PRODUCTION RELEASE</b>																																													
REV STATUS OF SHEETS	REV LTR	D	C	I	A	J	B																																						
SHEET	1	2	3	4	5	6	7	8	9	10																																			

PARTS LIST	Plessey Microsystems		
	CODE IDENT NO.	PARTS LIST NO.	PL 701735-100
	52648		SH 2 C
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
	1	701734-100	SWITCH PANEL ASSY
	1	701449-001	CHASSIS
C	1	100057-001 OR 100160-100	POWER SUPPLY
	1	701453-001	COVER, REAR
	1	701457-001	BRACKET, SUPPORT
	1	701456-001	STORAGE BOX
	1	701452-001	COVER
-2	2	701554-001	CLAMP, CABLE
A	1	701514-100	PANEL, FRONT
	1	70134B-100	CABLE ASSY A.C.
	1	701349-100	CABLE ASSY D.C.
	1	701104-001	LABEL, BLANK
	1	700077-001	NAMEPLATE

PARTS LIST	Plessey Microsystems		
	CODE IDENT NO.	PARTS LIST NO.	PL 701735-100
	52648		SH 3 A
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
	1	701656-001	SLIDE, CHASSIS
	1	701656-001	NAMEPLATE, SET
	2	SA-800	DISC, FLOPPY, 60 Hz
	1	701109-001	DECAL, VOLTAGE SELECTION
[6]	2	50675	FRONT PANEL, DISC
	6	MS51958-61	SCREW / PAN HD. 10-32 x 3/8 LG
	17	MS51957-43	SCREW / PAN HD. 8-32 x 3/8 LG
	23	MS51957-27	SCREW / PAN HD. 6-32 x 5/16 LG
	2	SN74L85	I.C. / 4-BIT MAGNITUDE COMPARATOR
	6	MS35333-39	WASHER / LOCK-INTERNAL TOOTH. NO. 10
	18	MS35333-38	WASHER / LOCK-INTERNAL TOOTH NO. 8
	23	MS35333-37	WASHER / LOCK-INTERNAL TOOTH NO. 6

PARTS LIST	Plessey Microsystems		
	CODE IDENT NO.	PARTS LIST NO.	PL 701735-100
	52648		SH 4 D
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION
	2	MS1575-807	WASHER, FLAT, NO. 8
	.30 IN.	7055/19-1	WIRE / 22 AWG, 17/34 STRAND, IRRAD PVC INSUL, COLOR: WHITE
	.30 IN.	7055/19-4	WIRE / 22 AWG, 19/34 STRAND, IRRAD. PVC INSUL, COLOR: GRAY
	4	ABMM-A	BASE, CABLE TIE
	5	TA158-M	BASE, CABLE TIE
	2	03-09-2022	PLUG, 2 CIRCUIT
	1	MDA 3	FUSE, 3 AMP 250V SLOW BLOW
D	4	02-09-2118	SOCKET, TERMINAL, CRIMP
	6 IN.	FIT-105-1/8	TUBING, HEAT SHRINK, 1/8 DIA.
	1 FT	5952	WIRE / 28 AWG, KYNAR INSUL, COLOR: OPTIONAL
	2	MS35699-289	NUT, HEX, 8-32

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PARTS LIST NO. DWG NO.  
PL 701735-100

SIZE CODE IDENT NO. REV  
B 52648 D

SCALE

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Form 000087

PARTS LIST		Plessey Microsystems	CODE IDENT NO 52648	PARTS LIST NO PL 701735-101		SH 2	D			
QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F IN O D	S Y M	C/I USAGE		
								C/I CODE	INV ON HAND	P AGE
1	701734 -100	SWITCH PANEL ASSY					1			
1	701449 -001	CHASSIS					2			
1	100057-001 OR 100160-100	POWER SUPPLY					3			
1	701453 -001	COVER, REAR					4			
1	701457 -001	BRACKET, SUPPORT					5			
1	701456 -001	STORAGE BOX					6			
1	701452 -001	COVER					7			
2	701554 -001	CLAMP, CABLE					8			
1	701594 -100	PANEL, FRONT					9			
1	701348 -100	CABLE ASSY A.C.					10			
1	701349 -100	CABLE ASSY D.C.					11			
1	701104 -001	LABEL, BLANK					12			
1	700077 -001	NAMEPLATE					13			

PARTS LIST				Plessey Microsystems		CODE IDENT NO 52648	PARTS LIST NO PL 701735-101		SH <u>3</u>	A		
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F I N M O D	S Y M	C/I CODE	INT ON HAND	P AR	BUTT COST
	1PR.	701636 -001	SLIDE, CHASSIS				'4					
	1	701656-001	NAME PLATE, SET				'5					
(5)	2	SA-300	DISC, FLOPPY	SHUGART			'6					
	1	701109 -001	DECAL, VOLTAGE SELECTION				'7					
(6)	2	50675	FRONT PANEL, DISC	SHUGART			'8					
	6	MS551958 -61	SCREW / PAN HD. 10-32 X 3/8 LG				'9					
	17	MS551957 -43	SCREW / PAN HD. 8-32 X 3/8 LG				'0					
	23	MS551957 -27	SCREW / PAN HD. 6-32 X 5/16 LG				'1					
							'2					
	2	SN74L85	I.C. / 4-BIT MAGNITUDE COMPARATOR	T.I.			'3					
	6	MS35333 -39	WASHER / LOCK-INTERNAL TOOTH NO. 10				'4					
	18	MS-35333 -38	WASHER / LOCK-INTERNAL TOOTH NO. 8				'5					
	23	MS35333 -37	WASHER / LOCK INTERNAL TOOTH NO. 6				'6					

PARTS LIST				Plessey Microsystems	CODE IDENT NO	PL 701735-101	SH 4	E				
K OTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F I N H O D	S Y M	C/I USAGE			
									C/I CODE	INV ON HAND	PAR E	UNIT COST
									2			
	2	MS15735 -807	WASHER, FLAT, NO. 8						28			
	30 IN.	7055/194	WIRE/22 AWG, 1/32 STRAND, IRRAD. PVC INSUL, COLOR: WHITE	ALPHA WIRE					29			
	30 IN.	7055/19-4	WIRE/22 AWG, 1/32 STRAND, IRRAD. PVC INSUL, COLOR: GRAY	ALPHA WIRE					30			
	4	ABMM-A	BASE, CABLE TIE	PANDUIT					31			
	5	TA15B-M	BASE, CABLE TIE	PANDUIT					32			
	2	03-09-2022	PLUG, 2 CIRCUIT	MOLEX					33			
	1	MDA1½	FUSE/1.5 AMP, 250 V, SLOW BLOW	BUSSMAN					34			
E	4	02-09-2118	SOCKET, TERMINAL, CRIMP	MOLEX					35			
	6 IN.	FIT-105-1/8	TUBING, HEATSHRINK, 1/8 DIA.	ALPHA WIRE					36			
	1 FT	5952	WIRE/28 AWG, KYNAR INSUL, COLOR OPTIONAL	ALPHA WIRE					37			
215 ED	2	50357	DRIVE PULLEY, 50 HZ.	SHUGART					38			
L	2	MS35699 -284	NUT, HEX, 8-32						39			

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Foto 000097

PARTS LIST |  Plessey Peripheral Systems

**CHASSIS ASSEMBLY  
FLOPPY DISC SINGLE DRIVE  
60HZ PII-XSII**

LTR	DESCRIPTION	
A	REL TO PWD L1283-4	2-2
A	INCCRP EO 3000 EN	4-1
B	INCCRP EO 3131	7-10
C	INCCRP EO 3162	7-10
D	INCCRP EO 3755	7-1

PRODUCTION RELEASE

REV STATUS OF SHEETS	REV LTR	D	C	A	D	B		
SHEET		1	2	3	4	5	6	7 8

PARTS LIST | Plessey Microsystems

COPIE IDENT NO	PL701735-102	SH 2
52648		

PARTS LIST			Plessey Microsystems	CODE IDENT NO 52648	PL 701735-102	SH 3 A						
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO	ZONE	F I N O D	S T M	C/I CODE	C/I USAGE		
										INV ON HAND	PAR T	UNIT COST
	1PR.	7016310 -001	SLIDE, CHASSIS				1/4					
	1	701656-001	NAMEPLATE, SET				1/5					
	1	SA-800	DISC, FLOPPY, 60 HZ	SHUGART			1/6					
	1	701109 -001	DECAL, VOLTAGE SELECTION				1/7					
⑥	1	50675	FRONT PANEL, DISC	SHUGART			1/8					
	6	MS5195B -61	SCREW / PAN HD. 10-32 X 3/8 LG				1/9					
	13	MS51957 -43	SCREW / PAN HD. 32 X 3/8 LG				2/0					
	21	MS51957 -27	SCREW / PAN HD. 6-32 X 5/16 LG				2/1					
							2/2					
	1	SN74L85	I.C. / 4-BIT MAGNITUDE COMPARATOR	T.I.			2/3					
	6	MS35333 -39	WASHER / LOCK-INTERNAL TOOTH NO. 10				2/4					
	15	MS35333 -38	WASHER / LOCK-INTERNAL TOOTH NO. 8				2/5					
	21	MS35333 -37	WASHER / LOCK, INTERNAL TOOTH NO. 6				2/6					

PARTS LIST				Plessey Microsystems	CODE IDENT NO 52648	PL701735-102	SH 4	D						
UNIT COST	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F IN N D	S Y M	C / I USAGE	C / I CODE	INV ON HAND	P AR	UNIT COST
								27						
		2	MS15795-807	WASHER, FLAT, NO. 8				28						
		15IN.	7055/19-1	WIRE/22 AWG, 19/34 STRAND, IRRAD PVC INSUL, COLOR: WHITE	ALPHA WIRE			29						
		15IN.	7055/19-4	WIRE/22 AWG, 19/34 STRAND, IRRAD PVC INSUL, COLOR: GRAY	ALPHA WIRE			30						
		7	ABMM-A	BASE, CABLE TIE	PANDUIT			31						
		2	TA1S8-M	BASE, CABLE TIE	PANDUIT			32						
		1	03-09-2022	PLUG, 2 CIRCUIT	MOLEX			33						
		1	MDA 3	FUSE, 3 AMP 250V SLOW, 5LW	BUSSMANN			34						
		2	02-03-2118	SOCKET, TERMINAL, CRIMP	MOLEX			35						
		3IN	FIT-105-1/8	TUBING, HEAT SHRINK, 1/8 DIA.	ALPHA WIRE			36						
		1FT	5952	WIRE/28 AWG, KYNAR INSUL, COLOR: OPTIONAL	ALPHA WIRE			37						
								38						
		2	MS35699-284	NUT, HEX, 8-32				39						

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**Form 000087**

PARTS LIST	Plessey Peripheral Systems																																																								
CHASSIS ASSEMBLY FLOPPY DISC DRIVE 50 HZ FM-XSII																																																									
PREPARED BY CHECKED BY RESP ENCL APPRV	21-79 21-79 21-79 21-79																																																								
PARTS LIST NO. PL 701735-103																																																									
CODE IDENT NO. 52648	231570 S-1 OF 5																																																								
MODEL NO.																																																									
<table border="1"> <thead> <tr> <th>ITEM</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> <th>LTR</th> <th>ITEM</th> <th>DESCRIPTION</th> <th>DATE</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>REL TO PROD E02884</td> <td>2-21-79</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>INCORP EO 3000 ZH</td> <td>4-13-79</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>INCORP EO 3131</td> <td>7-16-79</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>C</td> <td>INCORP EO 3162</td> <td>7-16-79</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>D</td> <td>INCORP EO 3755</td> <td>7-15-80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				ITEM	DESCRIPTION	DATE	APPROVED	LTR	ITEM	DESCRIPTION	DATE	APPROVED	A	REL TO PROD E02884	2-21-79							A	INCORP EO 3000 ZH	4-13-79							B	INCORP EO 3131	7-16-79							C	INCORP EO 3162	7-16-79							D	INCORP EO 3755	7-15-80						
ITEM	DESCRIPTION	DATE	APPROVED	LTR	ITEM	DESCRIPTION	DATE	APPROVED																																																	
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<b>PRODUCTION RELEASE</b>																																																									
REV STATUS OF SHEETS	REV LTR	D	C	A	D	B																																																			
SHEET	1	2	3	4	5	6	7	8	9	10																																															

PARTS LIST		Plessey Microsystems		CODE IDENT NO	PARTS LIST NO	SI	REV	C/I USAGE				
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FINISH	SYN	C/I CODE	INT ON HAND	PAR	UNIT COST
	1	701636-001	SLIDE, CHASSIS									
	1	701656-001	NAMEPLATE, SET									
(5)	1	SA-800	DISC, FLOPPY									
	1	701109-001	DECAL, VOLTAGE SELECTION									
(6)	1	50675	FRONT PANEL, DISC									
	6	M551958-61	SCREW / PAN HD. 10-32 X 3/8 LG									
	13	M551957-43	SCREW / PAN HD. 8-32 X 3/8 LG									
	21	M551957-27	SCREW / PAN HD. 6-32 X 5/16 LG									
	1	SN74L85	I.C. / 4-BIT MAGNITUDE COMPARATOR									
	6	MS-35333-39	WASHER / LOCK-INTERNAL TOOTH NO. 10									
	10	MS-35333-38	WASHER / LOCK-INTERNAL TOOTH NO. 8									
	21	MS-35333-37	WASHER / LOCK INTERNAL TOOTH NO. 6									

PARTS LIST	Plessey Microsystems		CODE IDENT NO	PARTS LIST NO	SI	REV						
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FINISH	SYN	C/I CODE	INT ON HAND	PAR	UNIT COST
	1	701734-100	SWITCH PANEL ASSY			1						
	1	701449-001	CHASSIS			2						
C	1	100057-001 OR 100160-100	POWER SUPPLY			3						
	1	701453-001	COVER, REAR			4						
	1	701457-001	BRACKET, SUPPORT			5						
	1	701456-001	STORAGE BOX			6						
	1	701452-001	COVER			7						
	1	700554-001	CLAMP, CABLE			8						
A	1	701544-100	PANEL, FRONT			9						
	1	701348-100	CABLE ASSY A.C.			10						
	1	701349-100	CABLE ASSY D.C.			11						
	1	701104-001	LABEL, BLANK			12						
	1	700077-001	NAMEPLATE			13						

PARTS LIST	Plessey Microsystems		CODE IDENT NO	PARTS LIST NO	SI	REV						
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FINISH	SYN	C/I CODE	INT ON HAND	PAR	UNIT COST
	2	MS15795-807	WASHER, FLAT, NO. 8			2						
	15IN.	70551191	WIRE / 22 AWG, 1/32 STRAND, IRRAD. PVC INSUL, COLOR: WHITE									
	15IN.	7055119-9	WIRE / 22 AWG, 1/32 STRAND, IRRAD. PVC INSUL, COLOR: GRAY									
	7	ABMM-A	BASE, CABLE TIE									
	2	7A158-M	BASE, CABLE TIE									
	1	03-09-2022	PLUG, 2 CIRCUIT									
	1	MDA1 1/2	FUSE / 1.5 AMP, 250 V, SLOW BLOW									
	2	02-09-2118	SOCKET, TERMINAL, CRIMP									
	3 IN.	FIT-105-1/8	TUBING, HEATSHRINK, 1/8 O.D.									
	1 FT	5952	WIRE / 28 AWG, KYNAR INSUL, COLOR OPTIONAL									
(5)	1	50357	DRIVE PULLEY, 50 HZ.									
	2	MS35699-239	NUT, HEX, 8-32									

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SIZE CODE IDENT NO. DWG NO.  
B 52648 PL 701735-103  
SCALE REV D SHEET 1 OF 2

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Form 000087

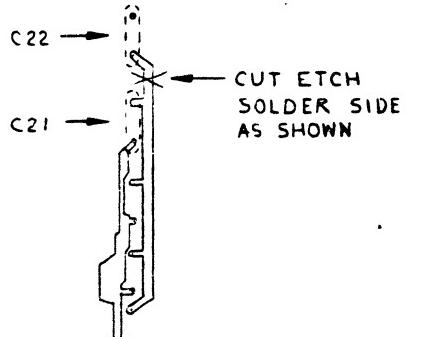
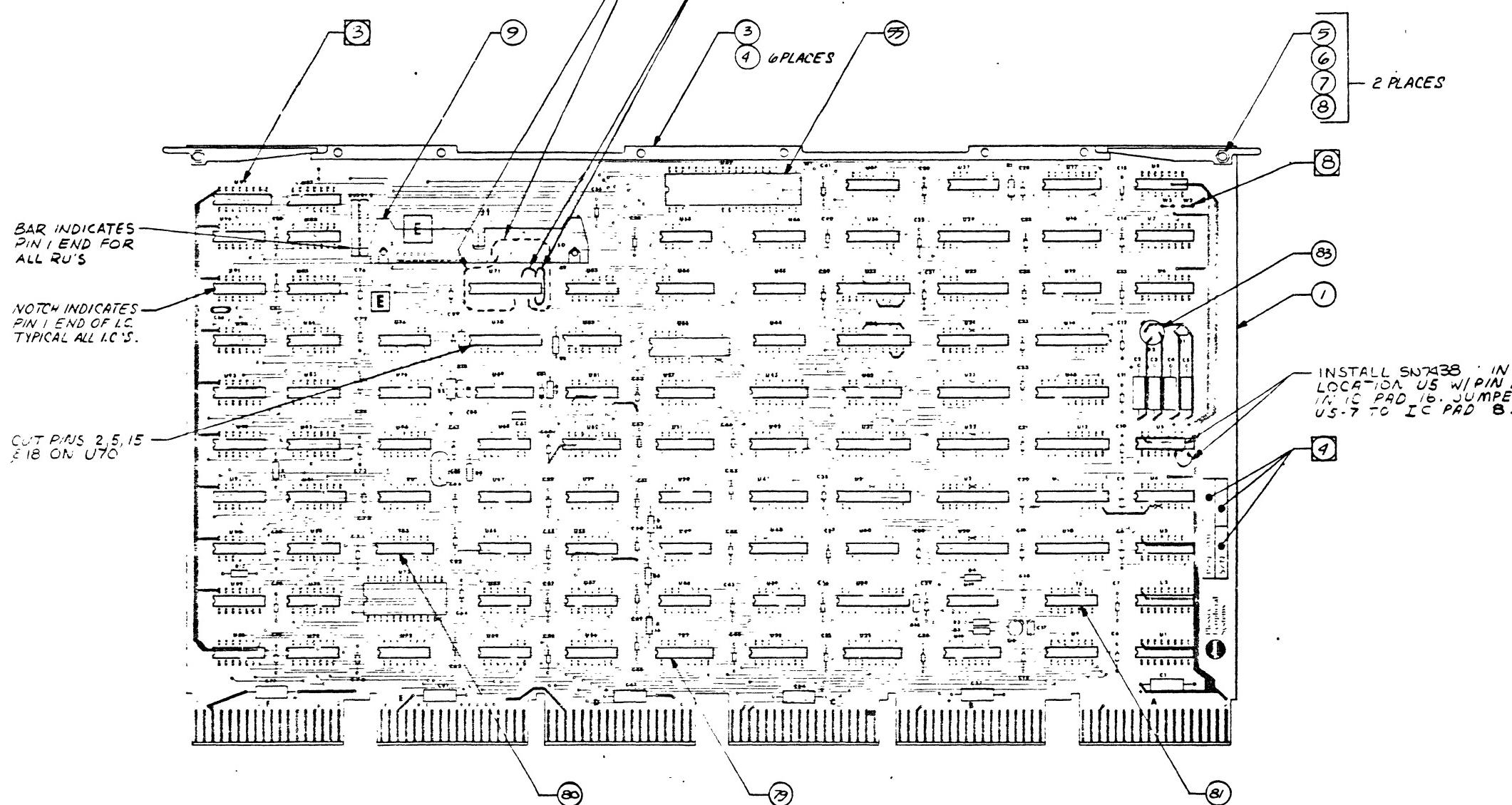
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## REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
/	A	REL TO PROJ PER ED2917	7-23-73	LEW MCB
/	C	ACCRP E. 3187	7-23-73	LEW MCB

JUMPER-SOLDER SIDE  
UTI-9 TO JI-30; UTI-7 TO JI-32

JUMPER-COMPONENT SIDE  
UTI-13 TO UTI-11; UTI-11 TO UTI-10



(8) ADD JUMPERS AT W2 AND W3 AFTER LOGIC TEST.

(7) NO SUBSTITUTION IS PERMITTED ON THE FOLLOWING ITEMS:  
F/N 10, 11, 23, 29, 27, 29, 30, 33-40, 41-48, 50.

(6) COMPONENT LEAD TRIM AND SOLDER BUILD-UP TO BE AS NOTED.

(5) 96106 (FAIRCHILD) MAY BE SUBSTITUTED FOR F/N 42.

(4) MARK ASSEMBLY VERSION NUMBER, LATEST REVISION LETTER AND SERIAL NUMBER WITH .12 HIGH CHARACTERS USING BLACK INK PER MIL-M-13231, GROUP III. LOCATION APPROX AS SHOWN.

(3) COMPONENT DESIGNATIONS ARE FOR REFERENCE ONLY AND DO NOT APPEAR ON PART.

2. FOR SCHEMATIC DIAGRAM SEE SD701032.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

JUMPER TABLE		
FROM	TO	NOTE
U5-1	U70-2	I.C.PAD
U5-4	U70-15	I.C.PAD
U5-3	U70-18	I.C.PAD
U5-6	U70-5	I.C.PAD
U5-2	U5-5	I.C.
U5-5	BFI	CONN

NOTE: FOR JUMPER WIRE USE  
E30AWG BLUE KYNAR

X	FOR PARTS LIST SEE PL701032-100	5
100	NOTE PART OR IDENTIFYING NO. Nomenclature or Description / Material	4
PART/ASSY NO. & QTY PER ASSY	PARTS LIST	3
DO NOT SCALE DRAWING		2
DRAWN R.P.HYTINEN 7-7-70		1
CHECK F.Luntia 7-11-78		
ENGR		
PROJ. ENGR/P 7-11-78		
PROD. DESIGN		
100 F 1A PM-XS11	SPEC/SOURCE	CODE IDENT NO. FIND NO.
PART	CONTRACT NO.	Plessey Memories Incorporated Santa Ana, California
NEXT ASSY USED ON	DWG TITLE	BOARD ASSEMBLY CONTROLLER, FLOPPY DISC PM - XS11
APPLICATION	SIZE	CODE IDENT NO. DWG NO.
UNLESS OTHERWISE SPECIFIED	D 52698	701032
OTHER APPROVALS	SCALE: 1/1	SHEET 1 OF 1

PARTS LIST Plessey Microsystems

J.W. 6-1-77  
Funtist 1777

PARTS LIST NO PL701032-100 B

BOARD ASSY, CONTROLLER  
FLOPPY DISK, PM-XS II

CODE IDENT NO 234570 SH 1  
52648 B OF 10

PARTS LIST

Plessey Memories Incorporated  
Santa Ana, California

CODE IDENT NO 52648

PARTS LIST NO PL701032-100 SH 3 A

CROSS INDEX OF REFERENCE DESIGNATIONS TO FIND NO.

REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.
C17	71						
C86	72						
Q3	73						
Q1	74						
Q2	75						
	76						
CRI,2	77						
R4,15	78						
TB2	79						
TB3	80						
TB1	81						
R14	82						
	83						
	84						
	85						
U18	86						

PRODUCTION RELEASE

INTERPRET SYMBOLS USED AS FOLLOWS

1 - REFERENCE NO. 2 - REF. NO. 3 - REF. NO.  
4 - REFERENCE NO. 5 - REF. NO. 6 - REF. NO.  
7 - REFERENCE NO. 8 - REF. NO. 9 - REF. NO.

REV STATUS OF SHEETS PEV LTR B B A A A B A A A A

SHEET 1 2 3 4 5 6 7 8 9 10

PARTS LIST Plessey Memories Incorporated

Santa Ana, California

CODE IDENT NO 52648

PARTS LIST NO PL701032-100 B

PARTS LIST

Plessey Memories Incorporated  
Santa Ana, California

CODE IDENT NO 52648

PARTS LIST NO PL701032-100 SH 4 A

CROSS INDEX OF REFERENCE DESIGNATIONS TO FIND NO.

REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.	REFERENCE DESIGNATION	FIND NO.
U60	10	U37,50,75,76,66, 86, 90	26	U40	41
U73	11	U56,58,61,64,72,	42	RU1	56
U39,46,82,95	12	U9,19,48,79, 5	27	RU3	57
U81	13	U10-14, 32	28	RU2	58
U89	14	U15	29	U41,42	59
U8,44,74,93	15	U33	30	U51,52	60
U30,63,68,91	16	U53	44	R7,8,11	61
U36,57,92	17	U97	45	R1,6,9,12,13	62
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U59,94	19	U29,34,35	47	R3	64
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U6,7	21	U54,62	49		66
U16,17	22	U21	50	C6-16,18-26,28-33, 35-46,48-60,63-67, 69-76,78-82	67
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U96	24	U24	52	U45	69
U27,49,65,80,83,85	25	U25	53	C68	70
		U26	54	C2-5	
		U27	55	C1,27,34,47,62,77	
		U67	56	C61	
		U31	57		
			58		
			59		
			60		
			61		
			62		
			63		
			64		
			65		
			66		
			67		
			68		
			69		
			70		

NOTE	QTY REQ'D	ITEM NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	FIND NO.	SYNTH.	C/I CODE	INV. NO.	PAR.	UNIT COST
	1EA	701029-001	PW.B - FLOPPY DISC CONTROLLER					1	B				
								2					
	1EA	700401-001	STIFFENER					3	B				
	6EA	N-440-1/4	SCREW / 4-40 X 1/4 NYLON BINDER HEAD		WECKESSER 95987	4	A						
	2EA	700330-001	HANDLE / EXTRACTOR					5	E				
	2EA	700331-001	SPACER					6	B				
	2EA	MS51957-4	SCREW / 2-56 X 5/16					7	G				
	2EA	NAS1291C02	NUT / HEX, #2, SELF-LOCKING					8	G				
	1EA	3433-1002	CONNECTOR		3M CO. 26066	9	A						
	7	1EA DM8553	IC / TRI-STATE 8-BIT LATCHES	NATIONAL 27014	10	A							
	7	1EA DM8130	IC / MAGNITUDE COMPARATOR	NATIONAL 27014	11	A							
	4EA	SN7404	IC / HEX INVERTERS	T.I. 01295	12	A							
	1EA	SN74S138	IC / DECODER / DEMULTIPLEXER	T.I. 01295	13	A							

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Form 00087

SIZE B SIZE B  
CODE IDENT NO. 52648  
DWG NO. PI 701032-100  
SCALE 1:100

1 OF 1  
SHEET B

PARTS LIST			Plessey Memories Incorporated Santa Ana, California		CODE IDENT NO 52648	PARTS LIST		PL701032-100		SH 5
NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		SPECIFICATION	CODE IDENT NO.	ZONE	F IN C D	S T M	C/I USE
										C/I CODE
										TYPE OR MARKS
										P R A B
	1 EA	SN7430	IC/ 8-INPUT POS-NAND GATES		T.I.	01295		14	A	
	4 EA	SN7408	IC/ QUAD 2-INPUT POS-AND GATES		T.I.	01295		15	A	
	4 EA	SN7400	IC/ QUAD 2-INPUT POS-NAND GATES		T.I.	01295		16	A	
	3 EA	SN7402	IC/ QUAD 2-INPUT POS-NOR GATES		T.I.	01295		17	A	
	1 EA	SN7428	IC/ QUAD 2-INPUT POS-NOR BUFFERS		T.I.	01295		18	A	
	2 EA	SN7432	IC/ QUAD 2-INPUT POS-OR GATES		T.I.	01295		19	A	
	1 EA	SN7497	IC/ SYNCHRONOUS 6-BIT BINARY BITS MULTIPLICERS		T.I.	01295		20	A	
	2 EA	SN74161	IC/ SYNCHRONOUS 4-BIT COUNTERS		T.I.	01295		21	A	
	2 EA	SN74151	IC/ DATA SELECTORS/MUXES		T.I.	01295		22	A	
7	1 EA	FD1771,B	IC/ FORMATTER		WESTERN DIGITAL	52840		23	A	
7	1 EA	NXD-40-2-8 MHz	IC/ OSCILLATOR		CTS	11237		24	A	
	6 EA	SN7474	IC/ DUAL D-TYPE POS-EDGE TRIG'D F/F W/PRESET AND CLR		T.I.	01295		25	A	
	7 EA	SN74107	IC/ DUAL J-K MASTER SLAVE F/F W/CLEAR		T.I.	01295		26	A	

PARTS LIST				Plessey Microsystems	CODE IDENT NO 52648	PL 701032-100	SH I	A					
NOTE 1/4	QTY REQD 1/4	PART OF IDENTIFYING NO.	MENOMELATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F IN O D	S T R M	C/I CODE	C/I USAGE	ITEM OR HAND	PAR	BUTT COST
7	1 EA	10DI14-008	IC/ PROGRAMMABLE READ-ONLY MEMORIES				40	A					
	1 EA	SN74193	IC/ SYNC 4 BIT UP DOWN COUNTERS (DUAL CLK & CLR)	T. I.	01295		41	A					
5	7 EA	DM8640	IC/ QUAD NOR UNIFIED BUS RECEIVER	NATIONAL	27014		42	A					
	2 EA	SN7485	IC/ 4-BIT MAGNITUDE COMPARATORS	T. I.	01295		43	A					
7	2 EA	DM8556	IC/ TRI STATE PROGRAMMABLE DECADE/BINARY COUNTERS	NATIONAL	27014		44	A					
7	1 EA	3539	IC/ 256 X 8 STATIC RANDOM ACCESS MEMORY	FAIRCHILD	07263		45	A					
7	2 EA	DM8641	IC/ QUAD UNIFIED BUS TRANSCEIVER	NATIONAL	27014		46	A					
7	3 EA	SN74S241	IC/ OCTAL BUFFERS/LINE DRIVERS LINE REC. W/ 3-STATE OUTPUTS	T. I.	01295		47	A					
7	2 EA	DM8835	IC/ TRI-STATE QUAD TRANSCEIVER	NATIONAL	27014		48	A					
	1 EA	SN74174	IC/ HEX/QUAD D-TYPE FLIP-FLOP W/CLR	T. I.	01295		49	A					
7	2 EA	SN74S240	IC/ OCTAL BUFFERS/LINE DRIVERS LINE REC W/3-STATE OUTPUTS	T. I.	01295		50	A					
	1 EA	SN74123	IC/ DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS W/CLEAR	T. I.	01295		51	A					
	1 EA	SN7451	IC/ EXPAND DUAL 2-WIDE 2-INPUT AND-OR-INVERT GATES	T. I.	01295		52	A					

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PARTS LIST				Plessey Microsystems		CODE IDENT NO	PARTS LIST	PL 701032-100			SH 6			
	ROUTE	QTY RECD NM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION			SPECIFICATION	CODE IDENT NO.	ZONE	F IN D I M O D	S T R U M E R	C/I CODE	TW C/I NAME	R A B
B	7	5 EA	SN7438	IC / QUAD 2-INPUT POS-NAND BUFFERS W/OPEN-COL OUTPUTS			T.I.	01295	27 A					
		6 EA	SN74S374	IC / OCTAL D-TYPE TRANS LATCHES EDGE-TRIG'D FLIP-FLOPS			T.I.	01295	28 A					
	7	1 EA	100115-001	IC / 256 BIT PROGRAMMABLE ROM					29 A					
	7	1 EA	100115-002	IC / 256 BIT PROGRAMMABLE ROM					30 A					
		1 EA	SN74163	IC / SYNCHRONOUS 4-BIT COUNTERS					31 A					
		1 EA	SN74S37	IC / QUAD 2-INPUT POS - NAND BUFFERS					32 A					
	7	1 EA	100114-004	IC / PROGRAMMABLE READ-ONLY MEMORIES					33 A					
	7	1 EA	100114-003	IC / PROGRAMMABLE READ-ONLY MEMORIES					34 A					
	7	1 EA	100114-002	IC / PROGRAMMABLE READ-ONLY MEMORIES					35 A					
	7	1 EA	100114-001	IC / PROGRAMMABLE READ-ONLY MEMORIES					36 A					
	7	1 EA	100114-005	IC / PROGRAMMABLE READ-ONLY MEMORIES					37 A					
	7	1 EA	100114-007	IC / PROGRAMMABLE READ-ONLY MEMORIES					38 A					
	7	1 EA	100114-006	IC / PROGRAMMABLE READ-ONLY MEMORIES					39 A					

PARTS LIST				Plessey Microsystems		CODE IDENT NO 52648	PL 701032-100			SH <u>8</u>	A
QTY RECD IN	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION			SPECIFICATION	CODE IDENT NO.	ZONE	F R I D O	S Y M	C/I USAGE	
		C/I CODE	TRY ON BOARD	P AR T COST							
1 EA	SN7410	IC / TRIPLE-3 INPUT POS NAND GATES	T I.	01295		53	A				
1 EA	SN7486	IC / QUAD 2-INPUT EXCLUSIVE-OR GATES	T. I.	01295		54	A				
1 EA	540-AG10D	SOCKET, IC, 40 PIN	AUGAT			55					
1 EA	899-I-R1K	RESISTOR MODULE / 1K	BECKMAN	80740		56	A				
1 EA	100013-D12	RESISTOR MODULE / 180 $\Omega$				57	B				
1 EA	100013-011	RESISTOR MODULE / 390 $\Omega$				58	B				
						59					
3 EA	RCD7GF103J	RESISTOR / 10K $\pm 5\%$ , 1/4W	MIL-R-II			60	G				
5 EA	RCD7GF102J	1K				61	G				
1 EA	RCD7GF273J	27K				62	G				
1 EA	RCD7GF181J	180 $\Omega$				63	G				
1 EA	RCD7GF391J	RESISTOR / 390 $\Omega \pm 5\%$ , 1/4W	MIL-R-II			64	G				
						65					

PARTS LIST			Plessey Microsystems		CODE IDENT NO	PL 701032-100	SH 9	A					
REF	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F IN D	S T M	C/I USAGE			
										C/I CODE	INT GRD RANG	P AR	UNIT COST
		6 EA	C069B160 E103Z	CAPACITOR/.01 $\mu$ F, 16V	SPRAGUE		66	A					
		1 EA	150D6PSX 901D A2	6.8 $\mu$ F $\pm$ 10%, 10V			67	A					
		4 EA	150D475X 0035B2	.47 $\mu$ F $\pm$ 20%, 35V			68	A					
		6 EA	150D475X 0020B2	4.7 $\mu$ F $\pm$ 20%, 20V	SPRAGUE		69	A					
		1 EA	CK05BX 103K	.01 $\mu$ F, 100V	MIL-C-11015		70	G					
		1 EA	CK05BX 561K	CAPACITOR/560 $\mu$ F, 200V	MIL-C-11015		71	G					
		1 EA	CK05BX 331K	CAPACITOR/330 $\mu$ F, 200V	MIL-C-11015		72						
		1 EA	2N2369	TRANSISTOR / TD18	T I.	01295	73	A					
		1 EA	LM340LAZ 12	VOLTAGE REGULATOR / TD92	NATIONAL	27D14	74	A					
		1 EA	LM320H-5	VOLTAGE REGULATOR / T05	NATIONAL	27D14	75	A					
							76						
		2 EA	138000 -001	DIODDE			77	A					
		2 EA	RN55D 1780F	RESISTOR/383 $\Omega$ , $\pm$ 1%, 1/8W	MIL-R-10509		78	A					

PARTS LIST			Plessey Microsystems		CODE IDENT NO	PL 701032-100	SH 10	A					
REF	NOTE	QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	CODE IDENT NO.	ZONE	F IN D	S T M	C/I USAGE			
										C/I CODE	INT GRD RANG	P AR	UNIT COST
		1 EA	700066-204	ADDRESS STRAP PLUG			79	A					
		1 EA	700066-205	ADDRESS STRAP PLUG			80	A					
		1 EA	701327-100	ADDRESS STRAP PLUG			81	A					
		1 EA	RN55D 3830F	RESISTOR/383 $\Omega$ , $\pm$ 1%, 1/8W	MIL-R-10509		82	A					
		1 EA	10079	TRANSIPAD (TD-5)	M. ROSS	07047	83	A					
		1 FT	5952	WIRE/28 AWG, KYNAR, COLOR: OPTIONAL	ALPHA WIRE	23172	84	G					
	REF	5N63WRAP3		SOLDER:	QQ-S-571		85	G					
		1 EA	SN7427	I.C./TRIPLE -3 INPUT POS NOR	T.I.	01295	86	A					
	REF	SD701032		SCHEMATIC DIAGRAM FLOPPY DISK CONTROLLER			87	C					
	REF	TS701032		TEST SPECIFICATION FLOPPY DISK CONTROLLER			88	C					

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SIZE CODE IDENT NO. DWG NO.  
B 52648 PL 701032-100

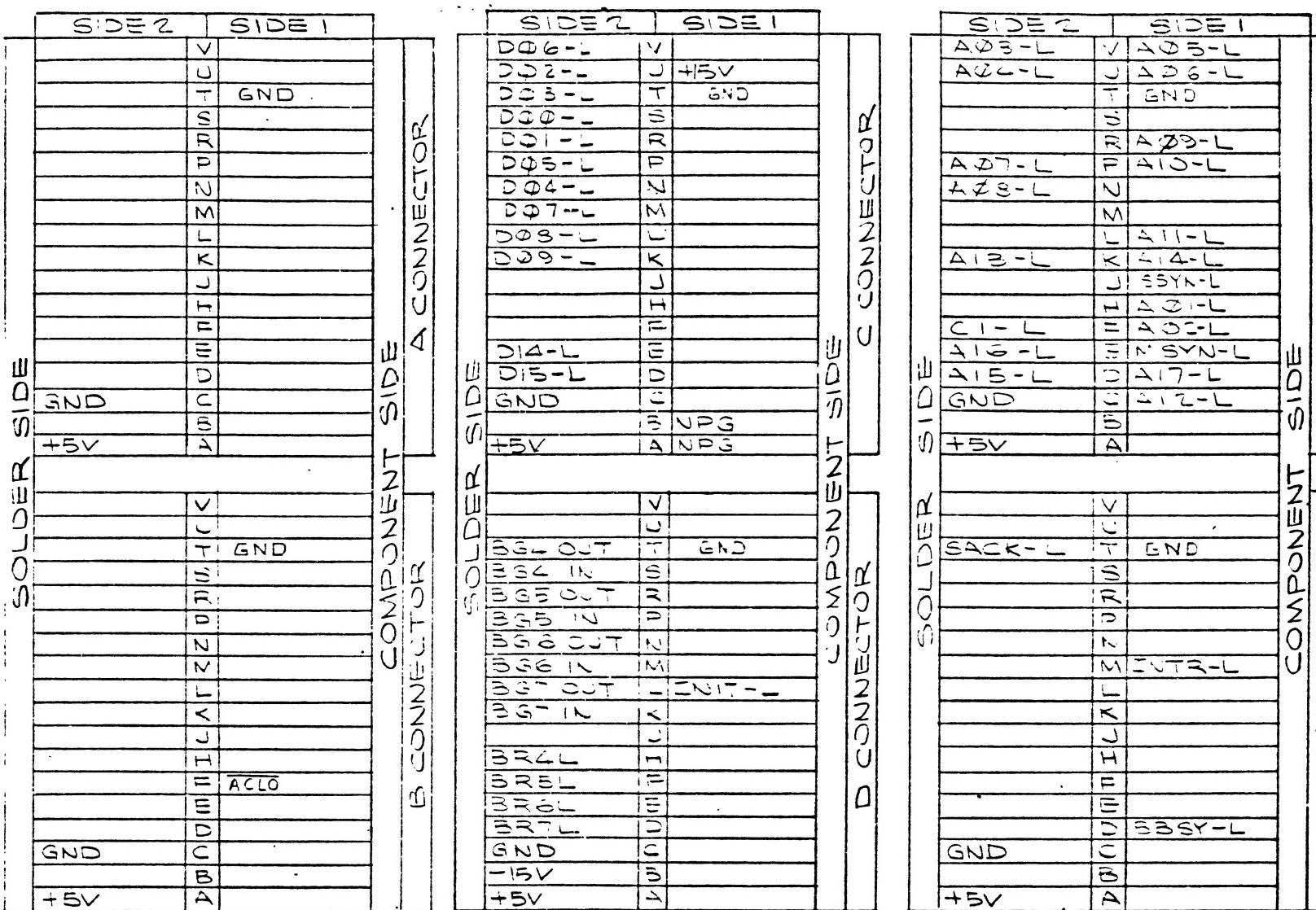
SIZE CODE IDENT NO. DWG NO.  
B 52648 PL 701032-100

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LAST DESIGNATION USED	
RESISTOR	R20
CAPACITOR	C86
INTEGRATED CIRCUIT	U97
DIODE	CR2
RESISTOR MODULE	RU3
TRANSISTOR	Q3
TERMINAL BLOCK	TB3

DESIGNATIONS NOT USED	
RESISTOR	R5, R16-20
INTEGRATED CIRCUIT	U1-3, 77
CAPACITOR	C83-85

REF	DESG	IGATES USED	PART NUMBER
-E	1/2	1	7408
-EE	2/2	1	7402
-EP	4/2	1	7424
-EP	1/2	1	7451
JE	2/2	1	7438
JEE	1/2	1	7410
JEP	3/2	1	7480
JEF	2/2	1	7422
JG	2/2	1	7440
JGF	2/2	1	7450
JEF	1/2	1	7437
JF	2/2	1	7436
JFF	3/2	1	7450
JF	2/2	1	7408
JFG	2/2	1	7428
JET	2/2	1	74537
JEG	3/2	1	7408
JEG	3/2	1	7432



REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED
/	A	REL TO PROD PER EO2917	3-13-79 P.M.
/	B	INCRP E.O. 3187	7-23-79 W.D.Y.

J1
1 24
2 25
3 26 GND
4 27
5 28 SEL1
6 29
7 30 SEL2
8 31
9 32 SEL3
10 33
11 34
12 35
13 36 STEP
14 37
15 38 INTR-2
16 39
17 40 INTR-2
18 41
19 42 TR4X18
INDEX
20 43
21 44 WRT PROT
READY
22 45
23 46 RDATA

### PRODUCTION RELEASE

NOTE/PART OR IDENTIFYING NO.		NOMENCLATURE OR DESCRIPTION / MATERIAL		SPEC/SOURCE	CODE IDENT NO.	FIND NO.
PART/ASSY NO. & QTY PER ASSY		PARTS LIST				
PART ASSY REV LTR		DO NOT SCALE DRAWING		CONTRACT NO.		
		SCREW THREADS PER NAMUR DIN 143		Plessey Microsystems		
		COUNTERBORE AND SPOTFACE, VALLEY RADIUS TO BE .250 MAXIMUM				
		REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO .005 INCHES				
		ROUNDNESS OF MANUFACTURED SURFACES .005 PER INCH MAX				
		STANDARD HOLE TOLERANCE PER AND 3000 ANNEAL 3.2 ± .005				
		INTERPRET DIMENSIONS AND TOLERANCES PER ASME Y14.5M				
		DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FIN OPERATIONS UNLESS OTHERWISE SPECIFIED				
7D701032-B1		APPROVALS		SCALE: 1:1		
NEXT ASSY: USED ON APPLICATION				SHFT. 1 OF 7		
D 52643 SD701032				R DIST NO 14045012		

5. JUMPER TO DISABLE FORMATT.
4. DESIGNATIONS SHOWN IN PARENTHESIS (2/A1) INDICATES WHERE SIGNAL ORIGINATES OR TERMINATES.

ZONE DESIGNATION  
SHEET NUMBER

3. SIGNALS SHOWN IN RECTANGLE

CD1 ARE I/O CONNECTIONS

BOARD SIDE

PIN DESIGNATION

CONNECTOR DESIGNATION

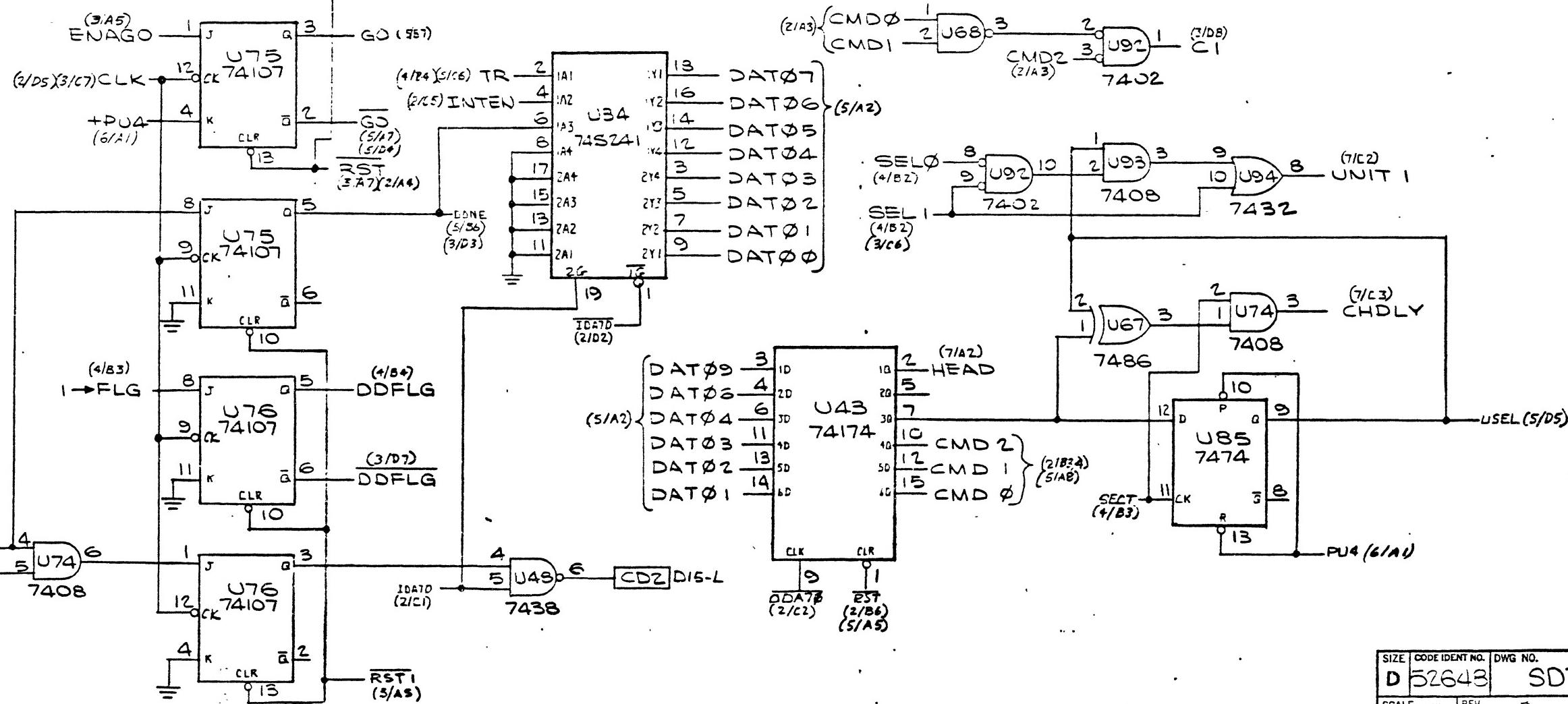
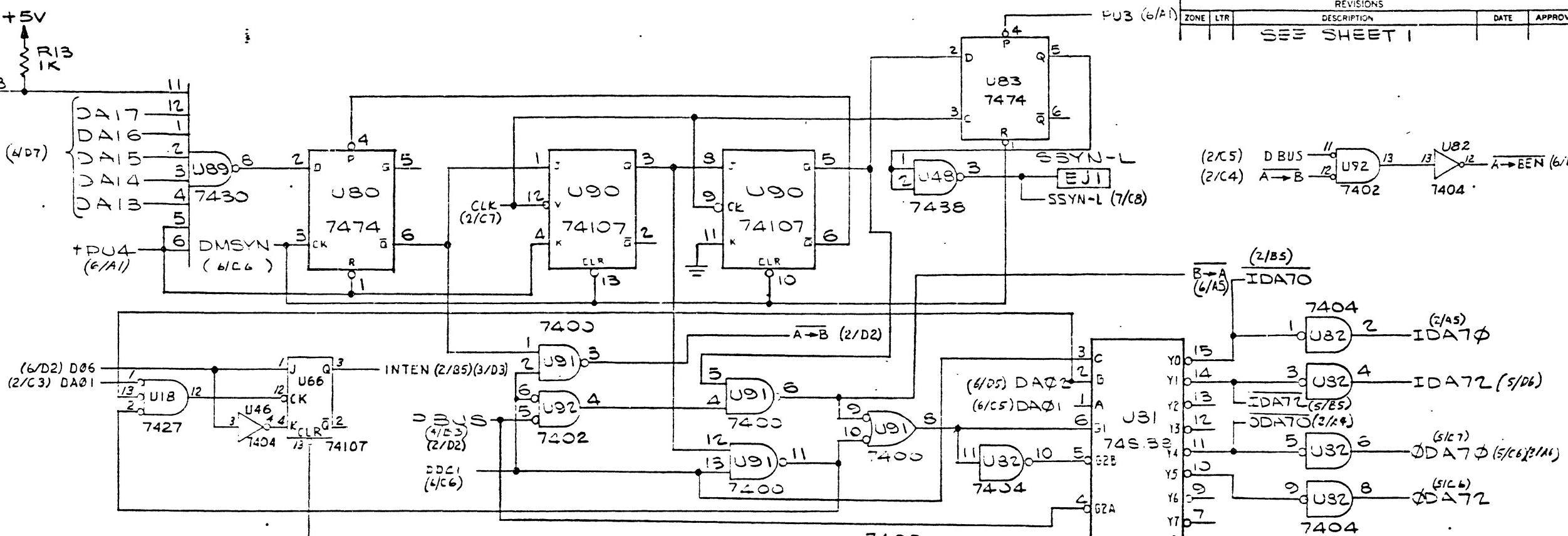
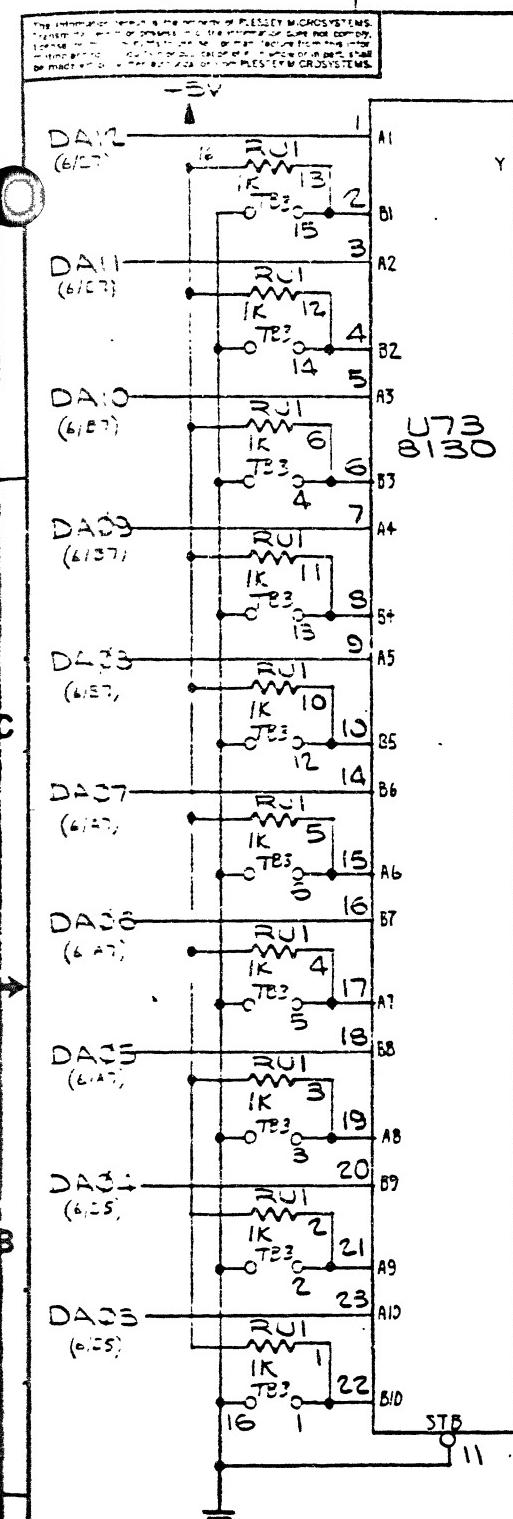
2. ALL CAPACITOR VALUES ARE IN MICROFARADS.

1. ALL RESISTOR VALUES ARE IN OHMS ± 5%, 1/4W.

NOTES: UNLESS OTHERWISE SPECIFIED:

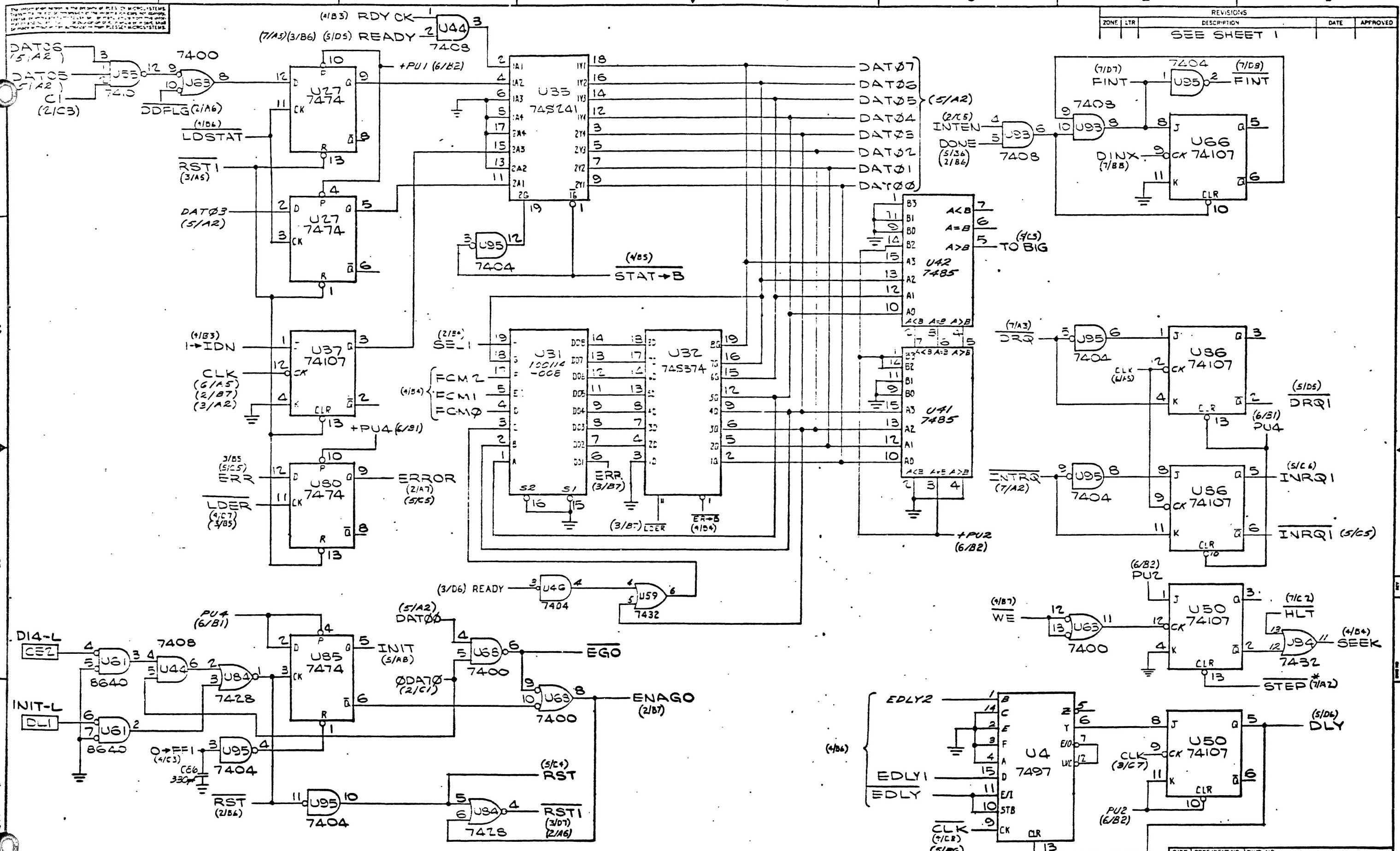
SD701032-B1

A



SIZE	CODE IDENT NO.	DWG NO.
D 52643		SD701032
SCALE: —	REV. 3	SHEET 2 OF 3

8 7 6 5 4 3 2 1

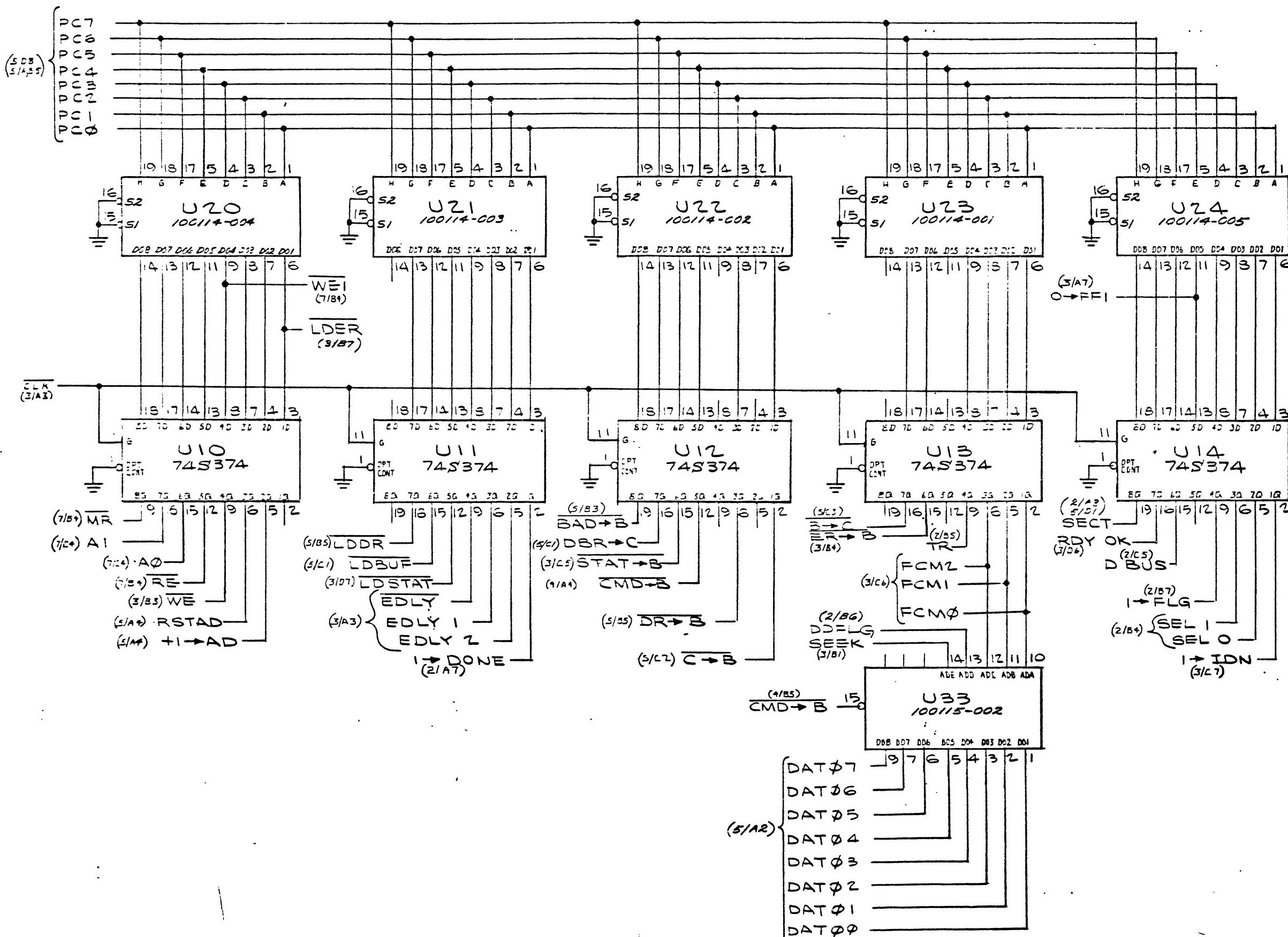


SIZE CODE IDENT NO. DWG NO.  
D 52648 SD701032  
SCALE: - REV. B SHEET 3 OF C4

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REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
SEE SHEET 1				

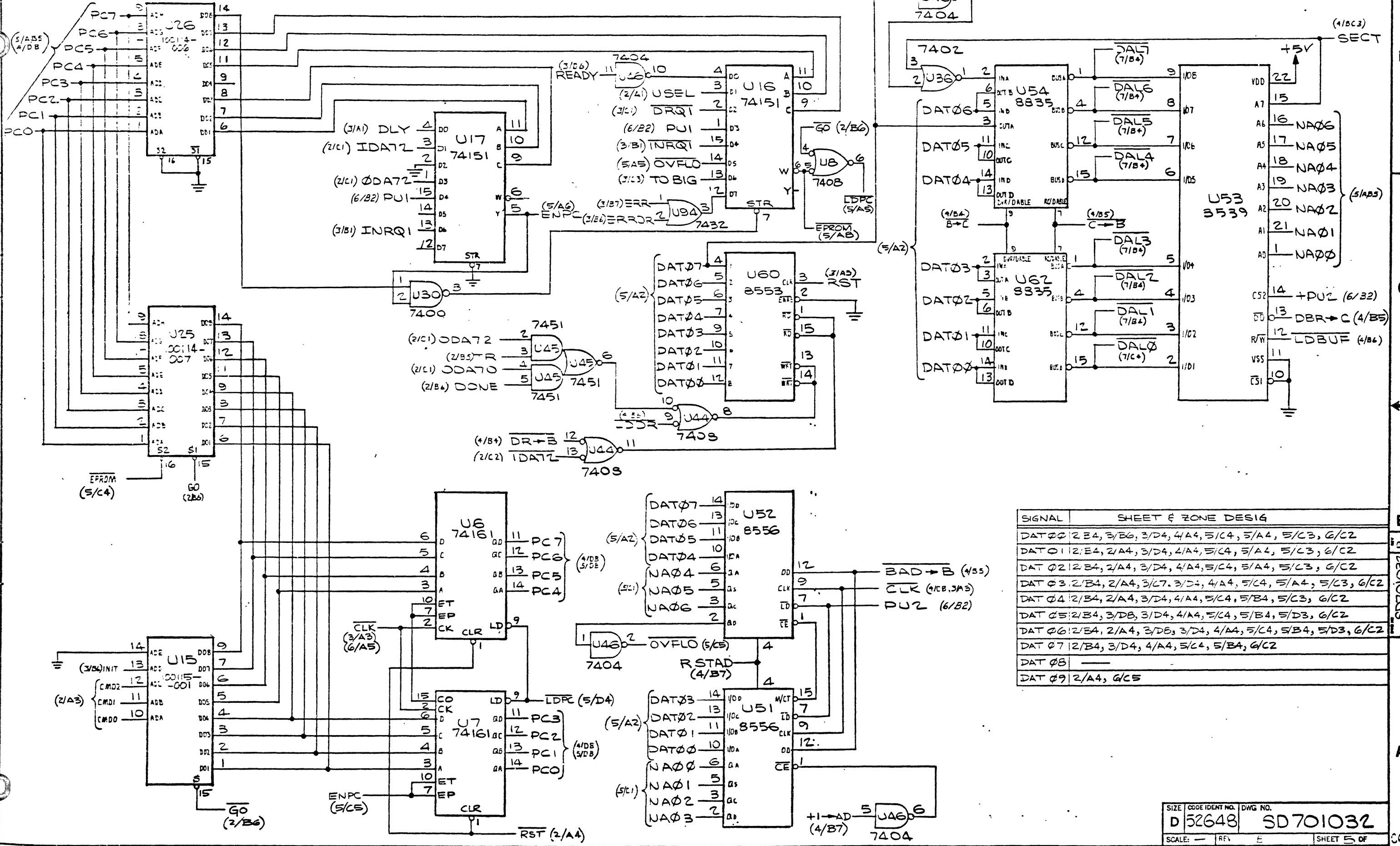


SIZE CODE IDENT NO. DWG NO.  
D 52643 SD701032  
SCALE: REV: E SHEET 4 OF 05  
DISTR NO:

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REVISIONS		DESCRIPTION		DATE	APPROVED
ZONE	LTR				

SEE SHEET 1



SIGNAL	SHEET & ZONE DESIGN
DAT00	2/34, 3/B6, 3/D4, 4/A4, 5/C4, 5/A4, 5/C3, 6/C2
DAT01	2/E4, 2/A4, 3/D4, 4/A4, 5/C4, 5/A4, 5/C3, 6/C2
DAT02	2/B4, 2/A4, 3/D4, 4/A4, 5/C4, 5/A4, 5/C3, 6/C2
DAT03	2/B4, 2/A4, 3/C7, 3/D4, 4/A4, 5/C4, 5/A4, 5/C3, 6/C2
DAT04	2/B4, 2/A4, 3/D4, 4/A4, 5/C4, 5/B4, 5/C3, 6/C2
DAT05	2/B4, 2/A4, 3/D4, 4/A4, 5/C4, 5/B4, 5/D3, 6/C2
DAT06	2/B4, 2/A4, 3/D4, 4/A4, 5/C4, 5/B4, 5/D3, 6/C2
DAT07	2/B4, 3/D4, 4/A4, 5/C4, 5/B4, 5/D3, 6/C2
DAT08	—
DAT09	2/A4, 6/C5

SIZE	CODE IDENT NO.	DWG NO.
D 52648	SD 701032	
SCALE: —	REV: E	SHEET 5 OF 16

8

7

6

5

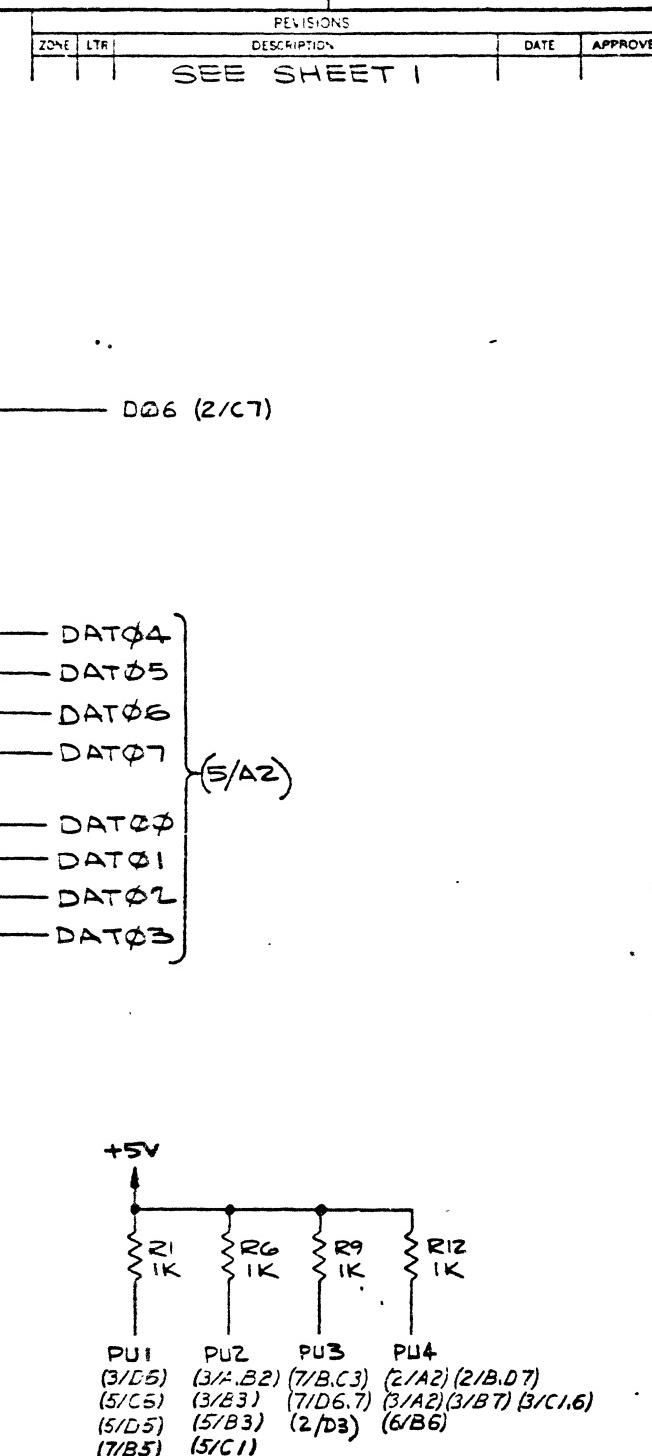
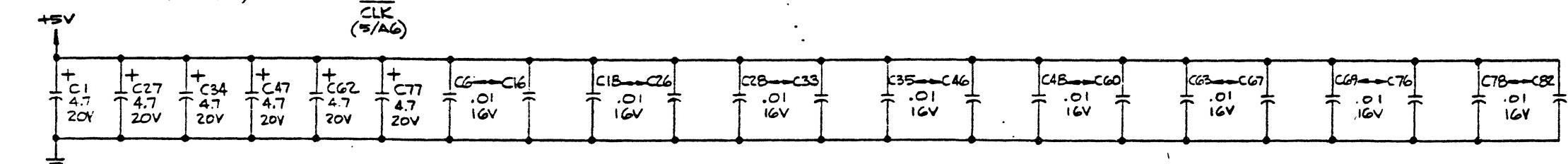
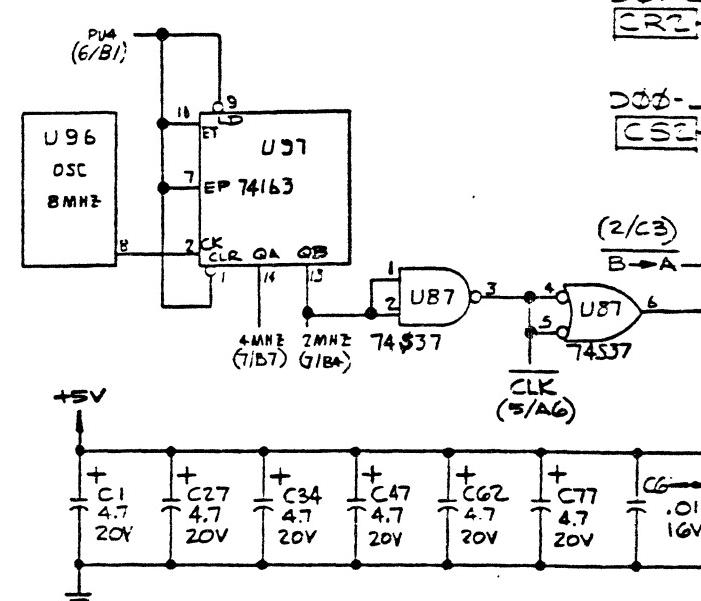
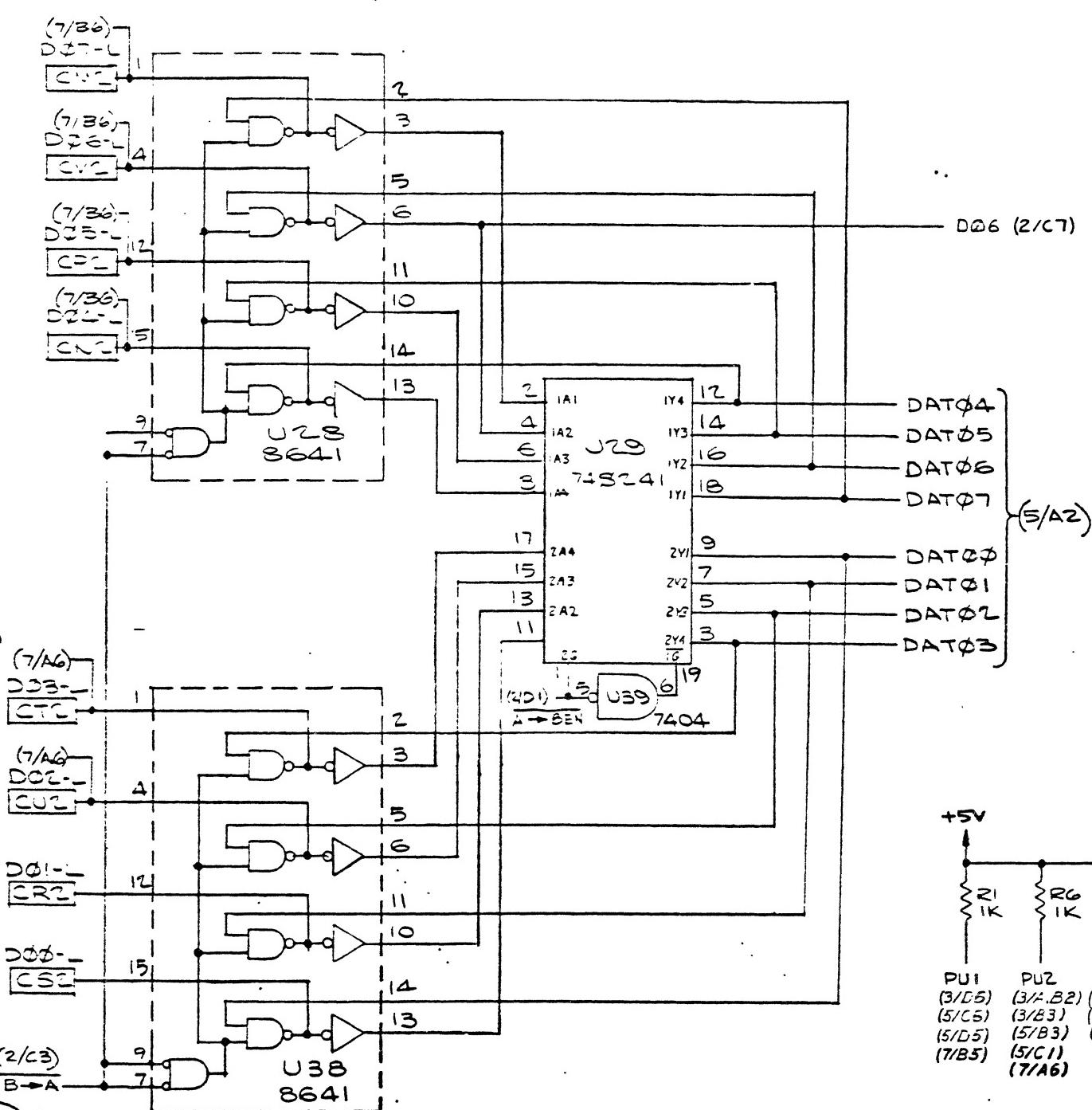
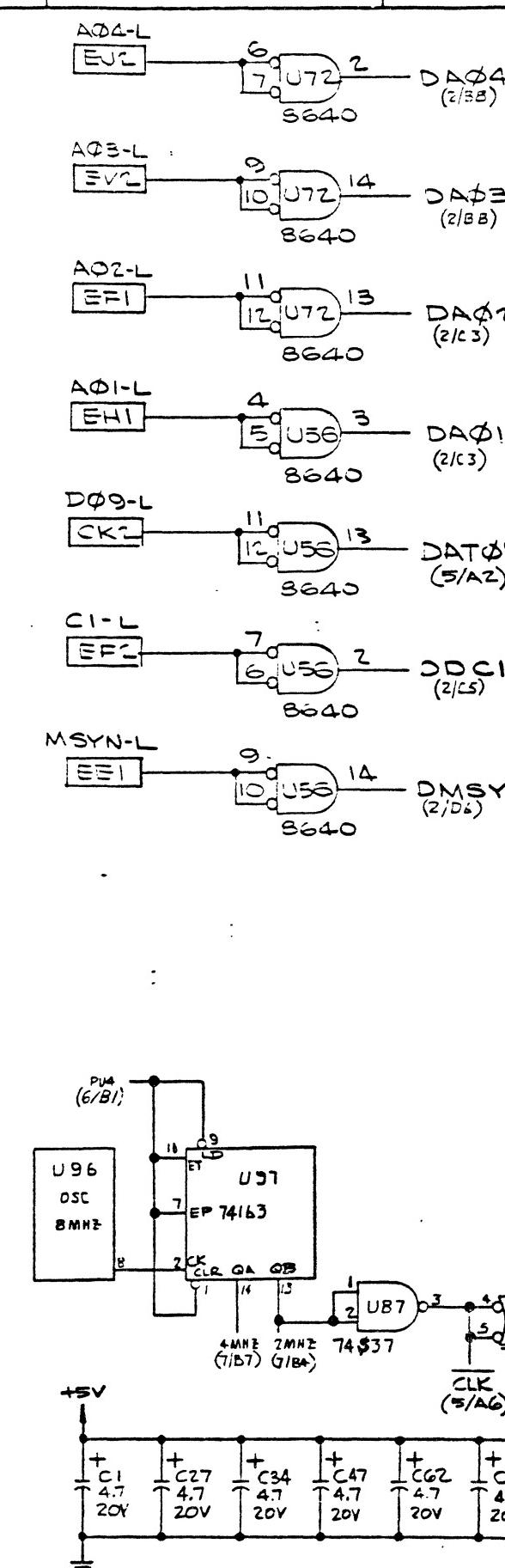
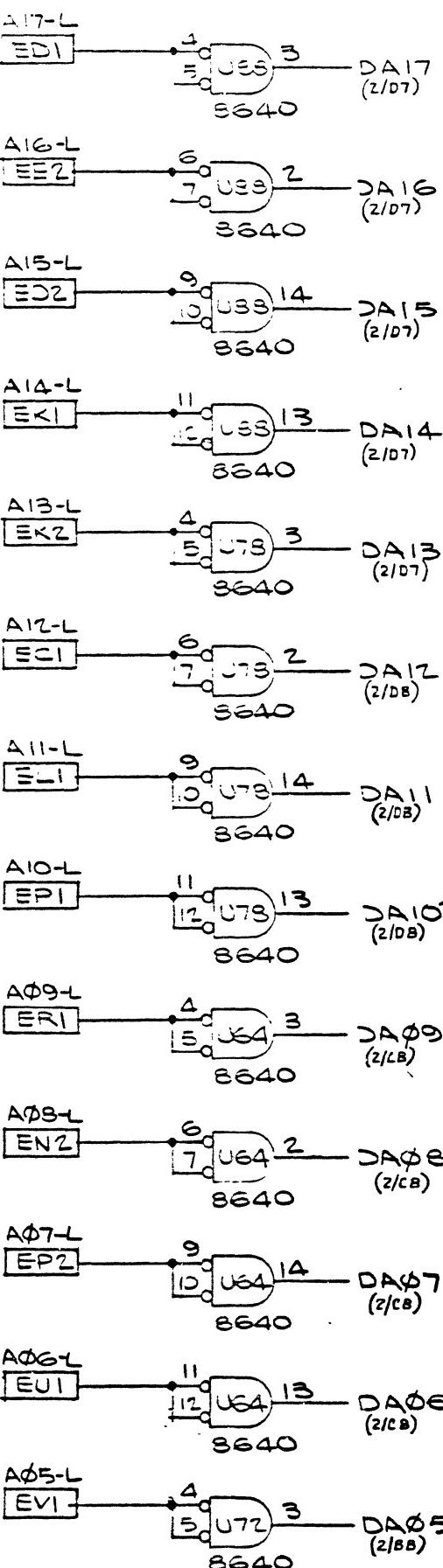
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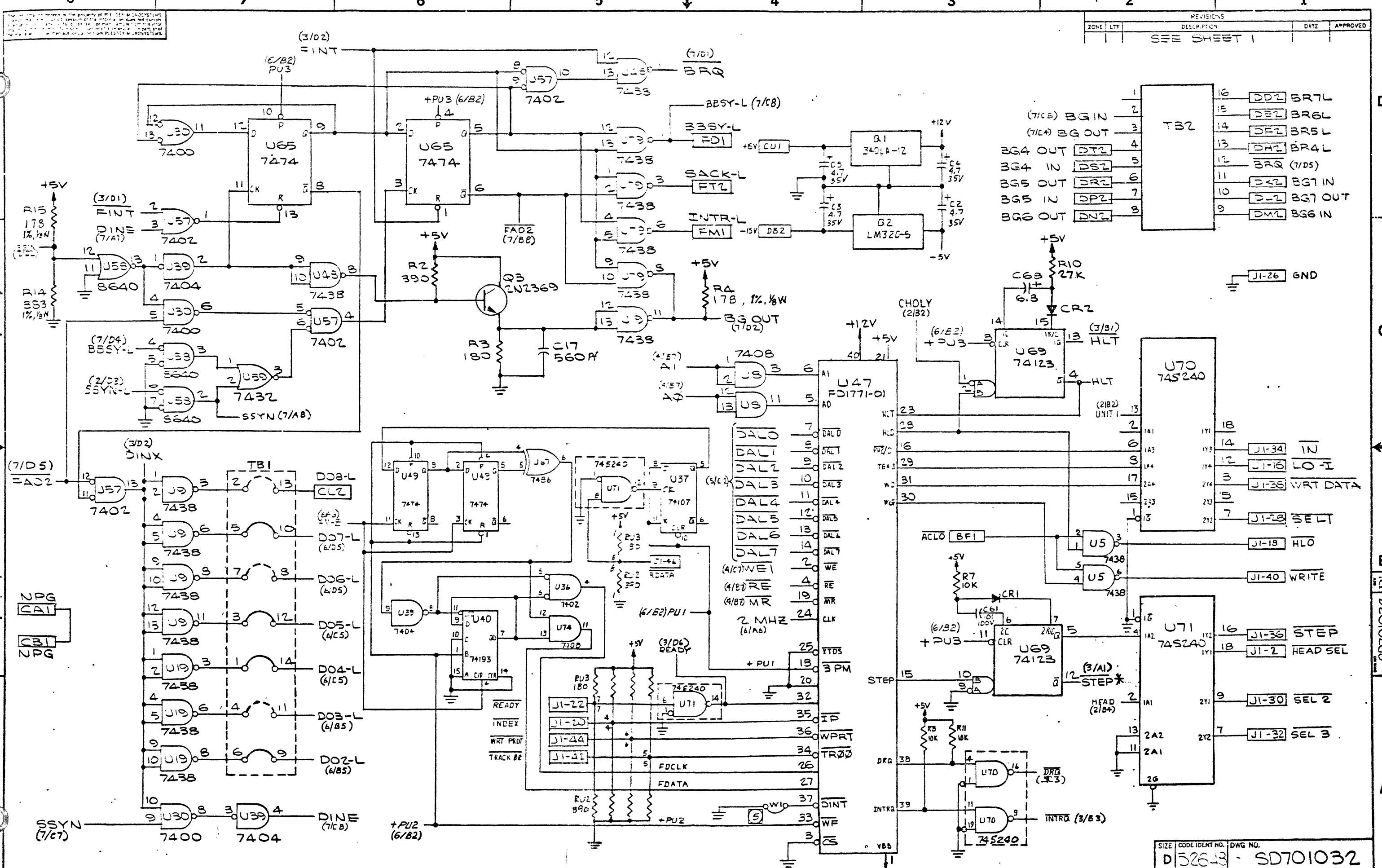
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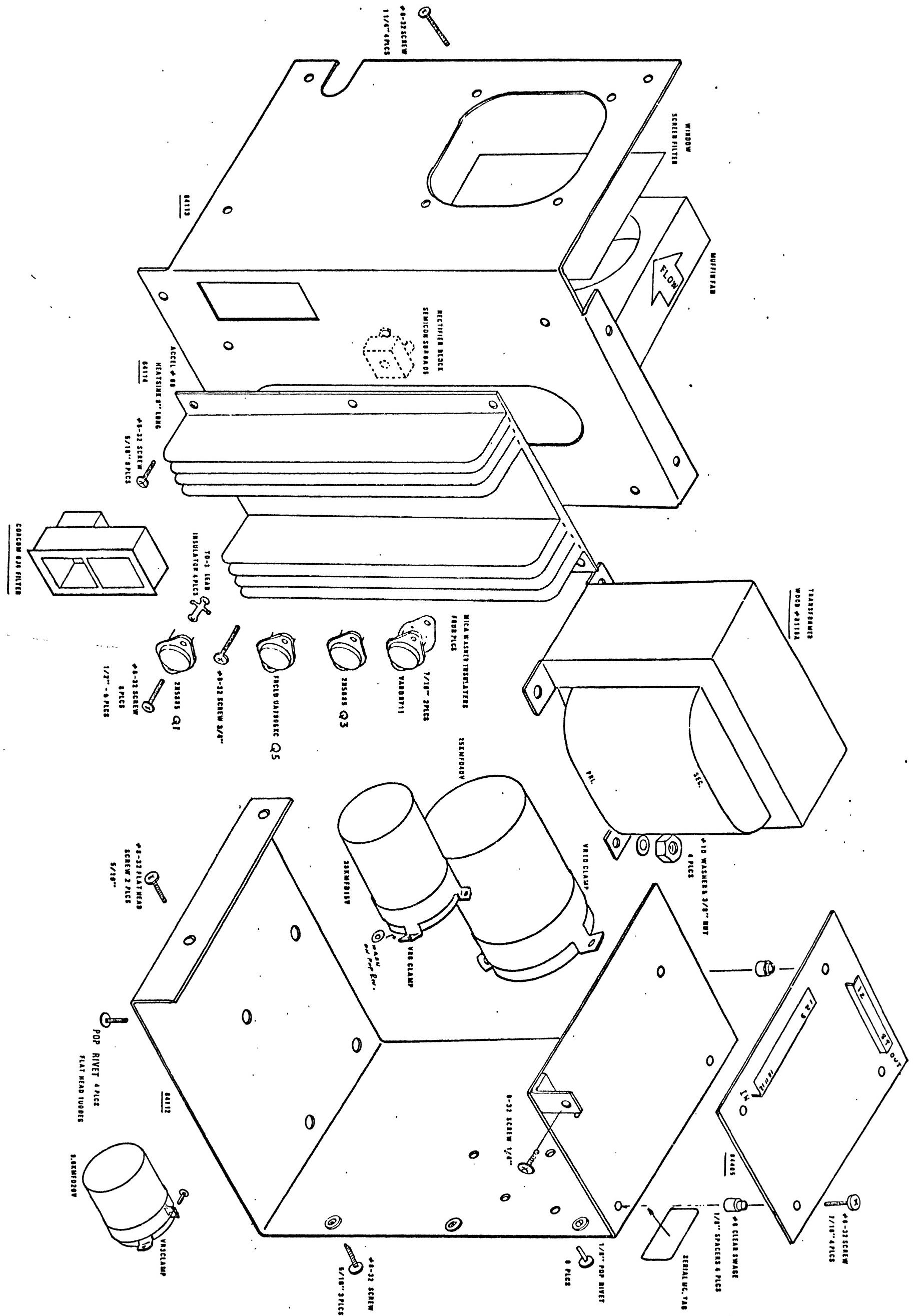
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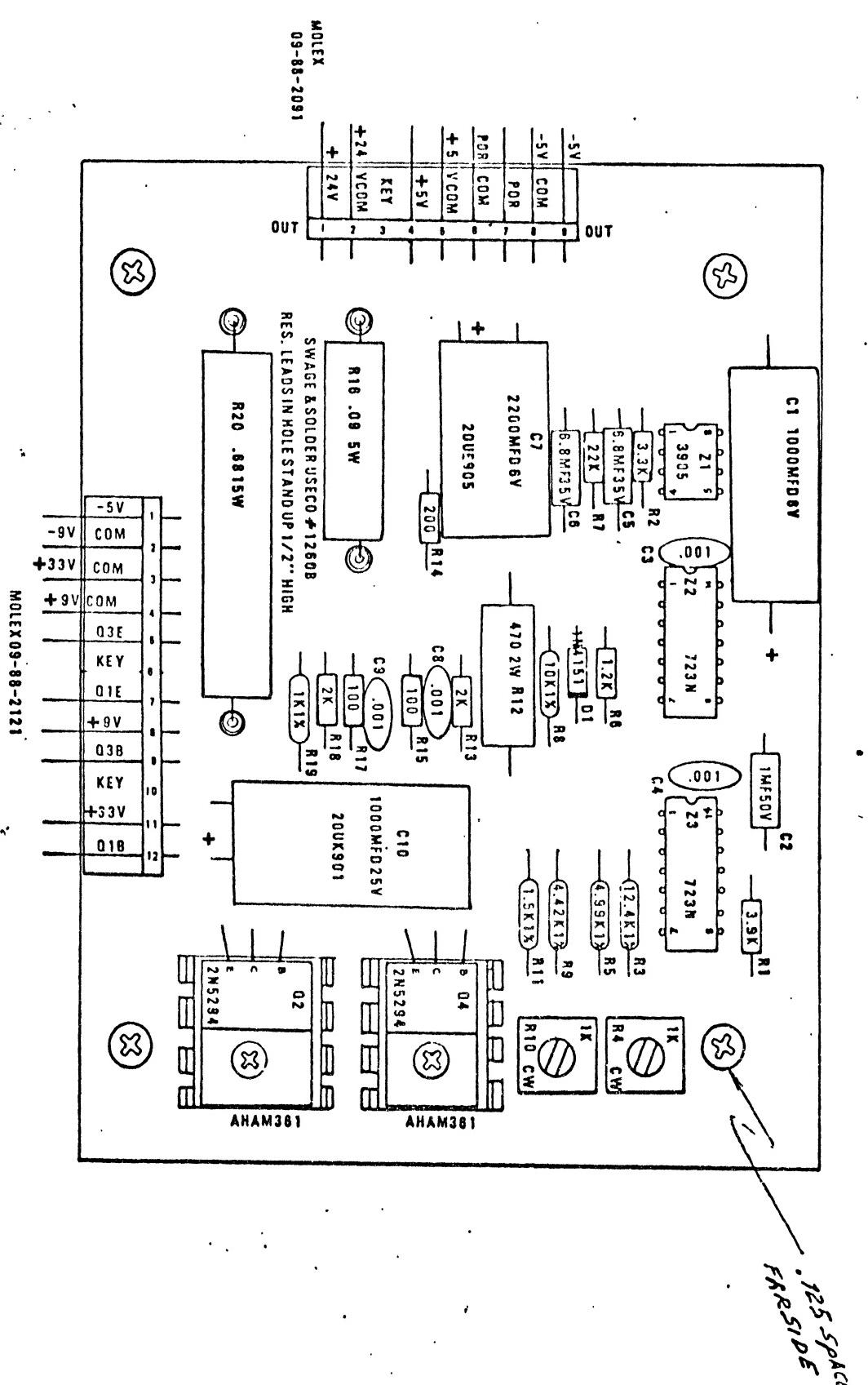
SIZE CODE IDENT NO. DWG NO.  
**D 52643 SD701032**  
SCALE: — REV: E SHEET 6 OF 7 DISTN NO. C7



SIZE CODE IDENT NO. DWG NO.  
**D** 526-3 SD701032  
SCALE: - REV E SHEET 7 OF

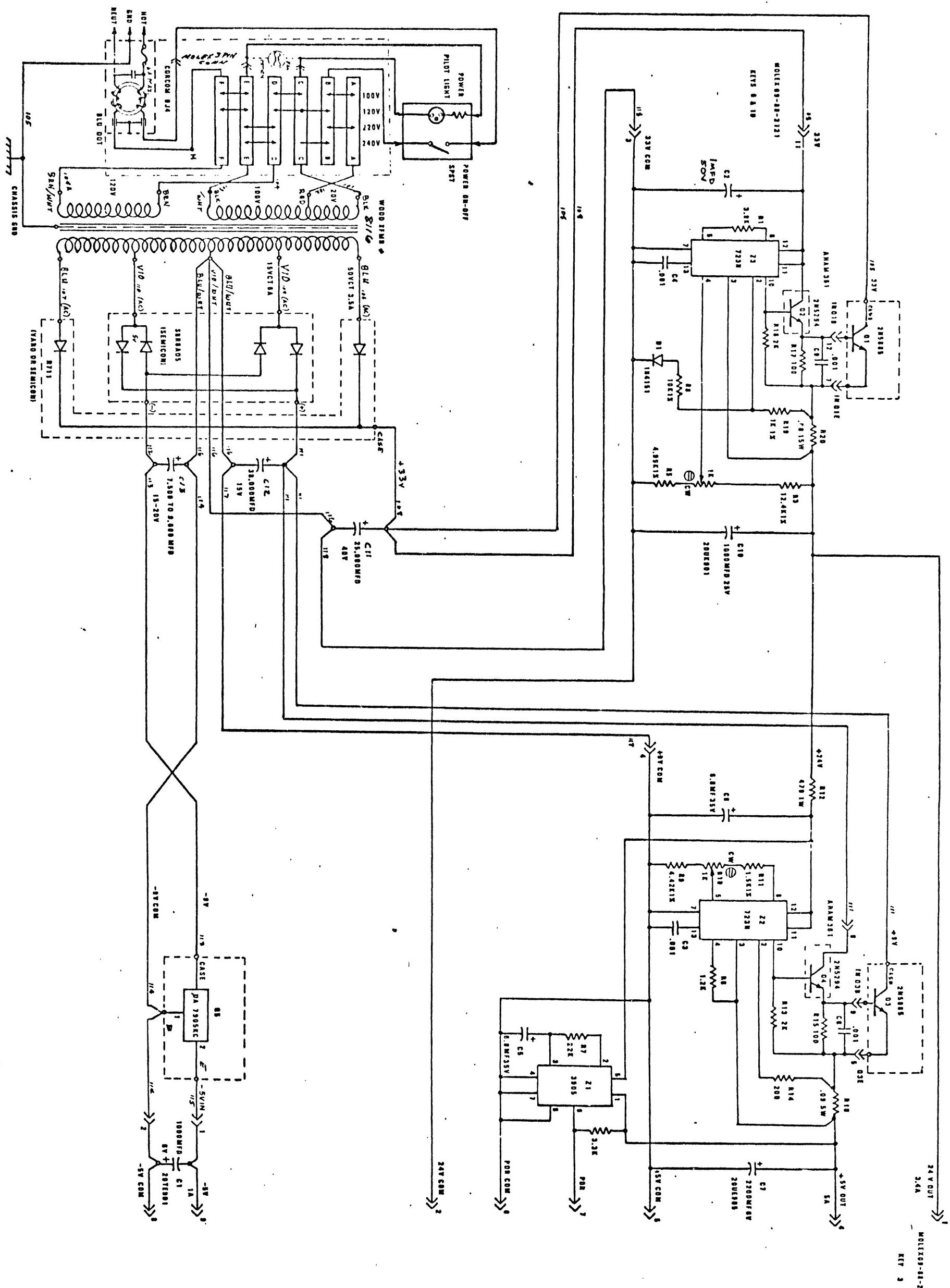


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	SCALE	REV	SHEET
	B	52648	64111
		3-29-77	1 of 1



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SIZE	CODE IDENT NO.	DWG NO.
B	52648	64405
SCALE	REV	SHEET
	11-11-76	1 of 2

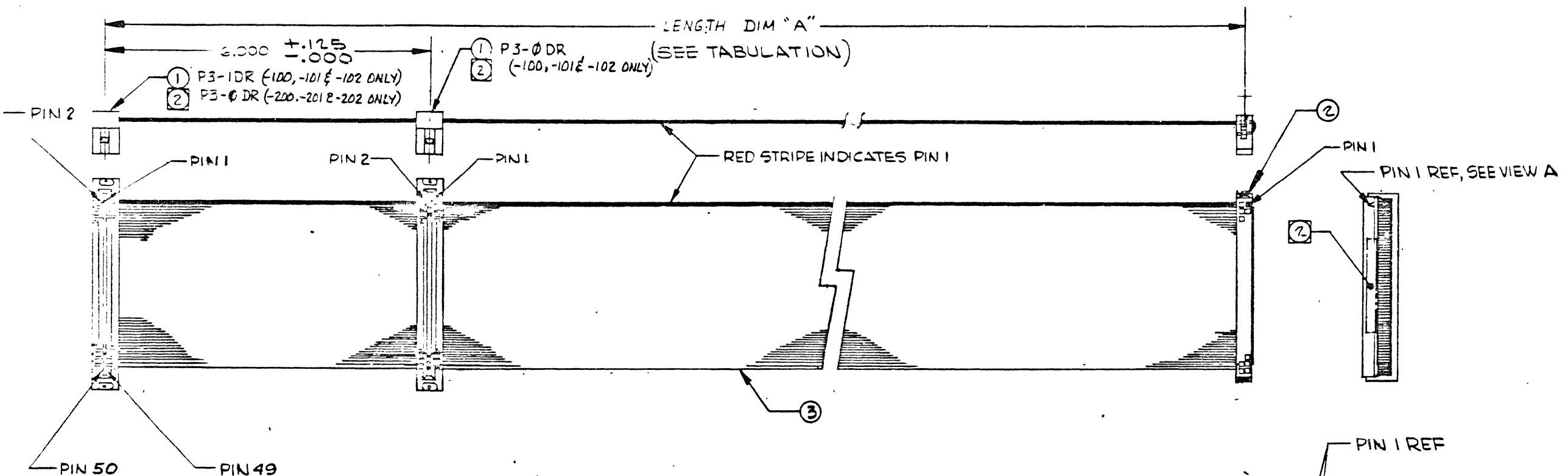


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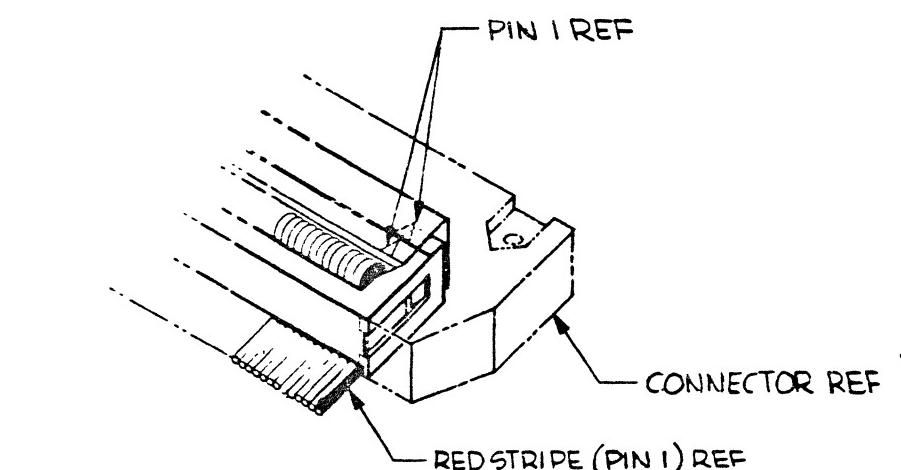
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SCALE	REV 11-11-76	SHEET 2 of 2		

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REV'SONS		DESCRIPTION	DATE	APPROVED
ZONE	LTR	A REL TO PROD PER PER EO5209	10-3-71	54-11



TABULATION	
ASSY NO	LENGTH "A" (INCHES)
-100	96.00 $\pm .00$
-101	120.00 $\pm .00$
-102	180.00 $\pm .00$
-200	96.00 $\pm .00$
-201	120.00 $\pm .00$
-202	180.00 $\pm .00$



VIEW A  
SCALE: NONE  
INSTALLATION VIEW

PRODUCTION RELEASE

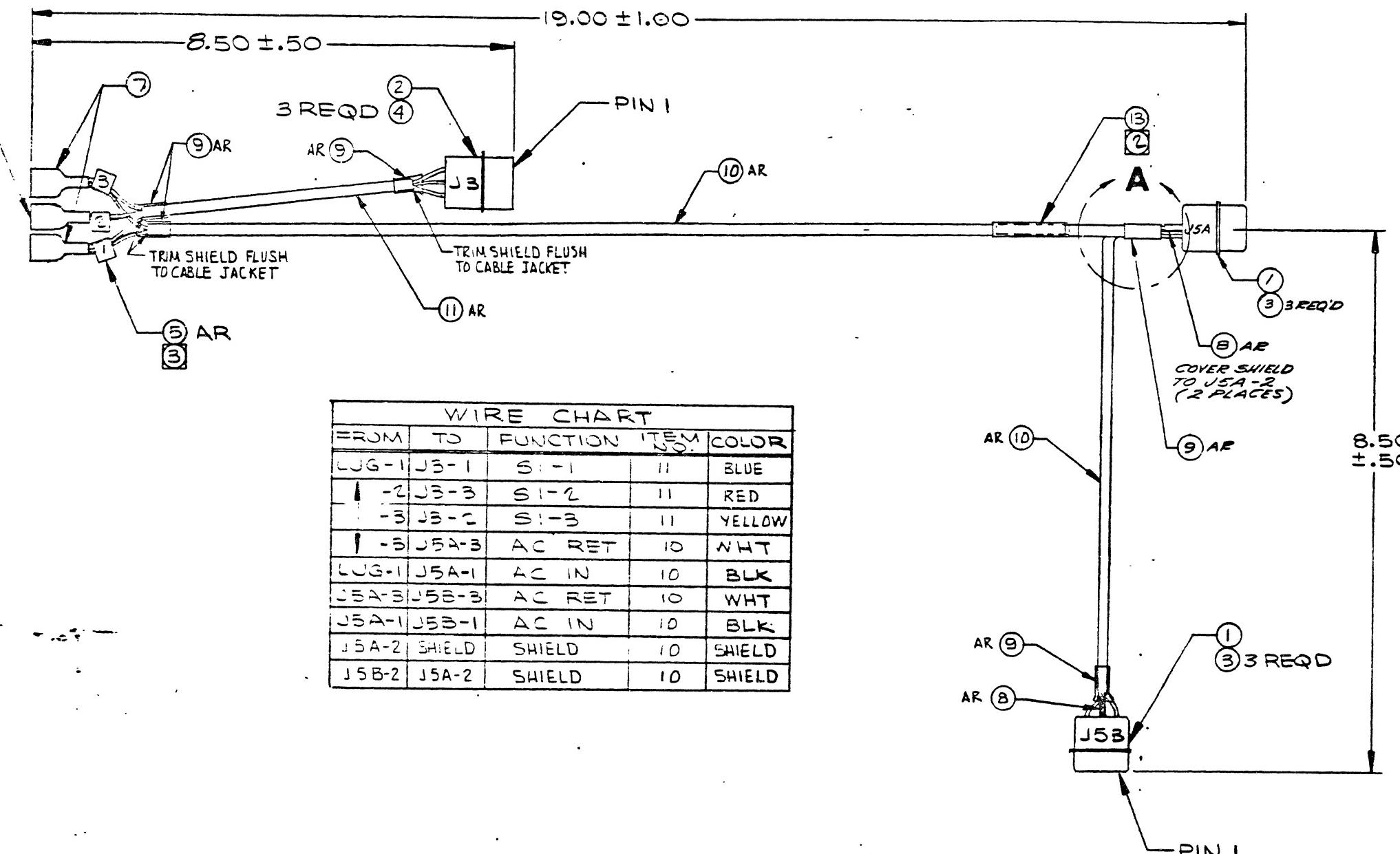
X X X	X X X	FOR PARTS LIST SEE PL 701803-200	5
		FOR PARTS LIST SEE PL 701803-189	4
		NOMENCLATURE OR DESCRIPTION / MATERIAL	3
-202-201-200-100-101-100		PART/ASSY NO. & QTY PER ASSY	SPEC/SOURCE
		PART/ASSY REV LTP	CODE IDENT NO.
		DO NOT SCALE DRAWING	FIND NO.
		Plessey Microsystems	
		DRAWN TOM COMPTY 10-26-71 DWG TITLE	
		CHECK [initials] ENGR [initials]	
		PROJ. ENGR. [initials]	
		PROD. DESIGN	
		SIZE CODE IDENT NO. DWG NO.	
		D 52648 701803	
		OTHER APPROVALS	
		SCALE: 1 / 1 SHEET 1 OF 1	
		DISTR NO. 1224701C	

② MARK ASSEMBLY NUMBER, DESIGNATIONS AND LATEST ASSEMBLY REV.  
LETTER WITH .12 HIGH CHARACTERS. USING BLACK INK PER MIL-M-13231,  
GROUP III, LOCATION APPROXIMATELY AS SHOWN.

I. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED

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③ AFFIX ITEM 5 AS SHOWN.

② MARK ASSEMBLY NUMBER, DESIGNATIONS AND LATEST ASSEMBLY REV. LETTER WITH .12 HIGH CHARACTERS. USING BLACK INK PER MIL-M-13231, GROUP III. LOCATION APPROXIMATELY AS SHOWN.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED.

REVISIONS		DATE	APPROVED
ZONE	LTR	DESCRIPTION	
	X1	REL TO DEV PER ERG 501C46	4-27-77 <i>JK</i>
	X2	REVISED FUTURE TO S-HAT CHECKED TALLE ADD RELATED DETAIL <i>JK</i> SINGLE WIRES BUNDLED (REF. NOTE 3) <i>JK</i> SKT THE WIRE BUNDLES USING TERM 11 & R	6-20-77 <i>JK</i>
	X3	INCOPR EO 2487	9-12-77 <i>JK</i>

FOR PARTS LIST SEE SKPL-701348-100		NOMENCLATURE OR DESCRIPTION / MATERIAL		SPEC/SOURCE	CODE IDENT NO.	FIND NO.
PART/ASSY NO. & QTY PER ASSY	100 NOTE PART OR IDENTIFYING NO.	PARTS LIST	CONTRACT NO.			
X3	DRAWN <i>4/17/77</i> C-27 DWG TITLE	PART/ASSY REV LTR	SCREEN THREAD PCD HANDBOOK NO. <i>4/17/77</i>	Plessey Microsystems		
	COUNTERBORE AND SPOTFACE FILLET RAD. TO BE AS MAXIMUM		COUNTERBORE AND SPOTFACE FILLET RAD. TO BE AS MAXIMUM			
	REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO 1/16		REMOVE ALL BURRS AND BREAK SHARP EDGES EQUIVALENT TO 1/16			
	ROUNDENESS OF MACHINED SURFACES 1/16 IN. PER U.S.A. 941		ROUNDENESS OF MACHINED SURFACES 1/16 IN. PER U.S.A. 941			
	STANDARD HOLE TOLERANCE PER AND MIN. TOLERANCE ON JIG = .001-.005 INCHES		STANDARD HOLE TOLERANCE PER AND MIN. TOLERANCE ON JIG = .001-.005 INCHES			
	ANGLES 15° & 30°		ANGLES 15° & 30°			
	INTERMITTENT DIMENSIONS AND TOLERANCES PER U.S.A. 941		INTERMITTENT DIMENSIONS AND TOLERANCES PER U.S.A. 941			
	DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH		DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH			
	UNLESS OTHERWISE SPECIFIED		UNLESS OTHERWISE SPECIFIED			
APPLICATION	APPROVALS	SCALE: 1:1	SHEET 1 OF 1			
			DSTR NO. 123470 C			
D						

SK701348 X3

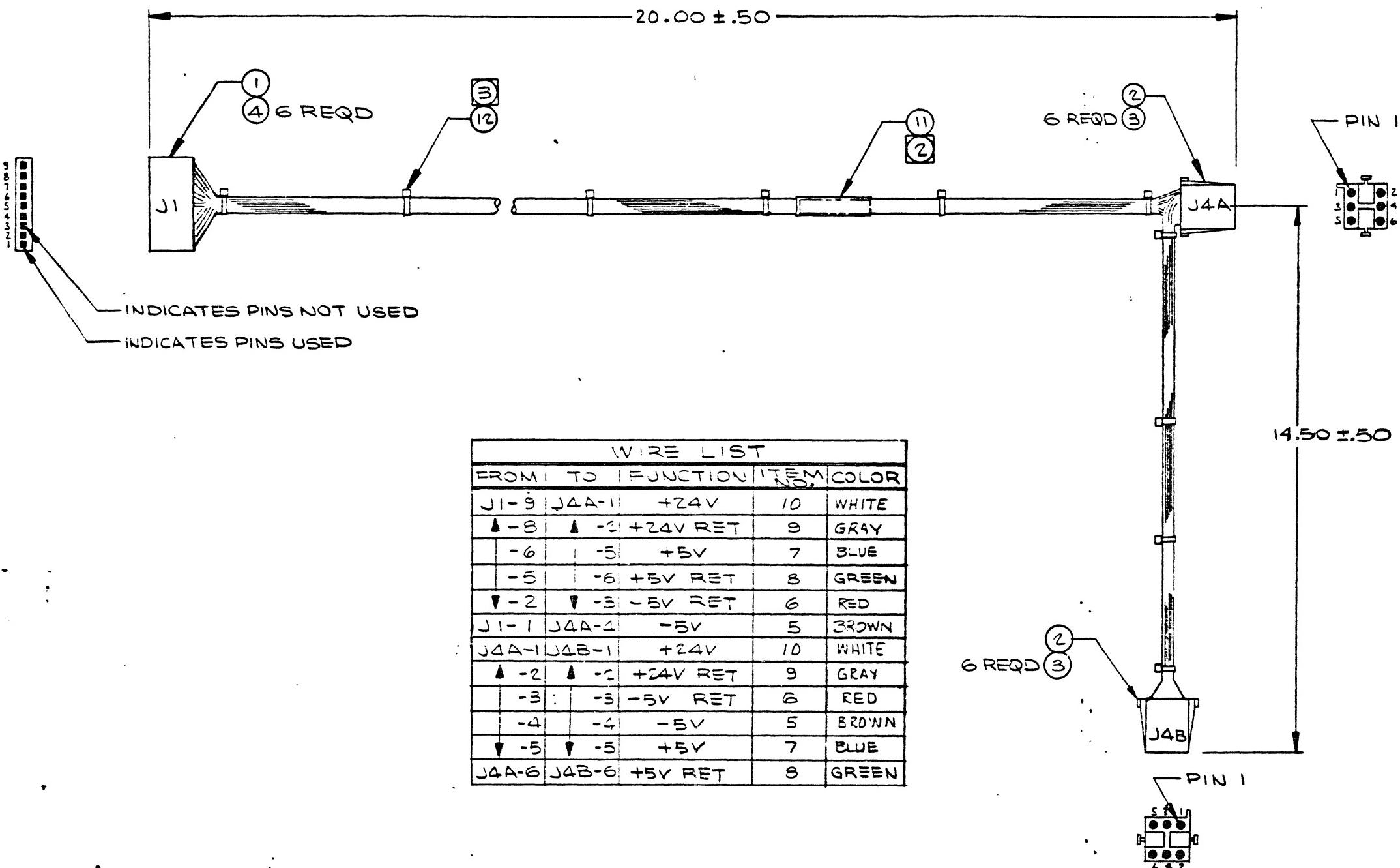
D

C

B

A

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③ SPOT TIE WIRE BUNDLES USING ITEM 12 AS REQUIRED.

② MARK ASSEMBLY NUMBER, DESIGNATIONS AND LATEST ASSEMBLY REVISION LETTER WITH .12 HIGH CHARACTERS, USING BLACK INK PER MIL-M-13231, GROUP III. LOCATION TO BE APPROXIMATELY AS SHOWN.

1. ASSEMBLE AND INSPECT PER WORKMANSHIP STANDARDS MANUAL.

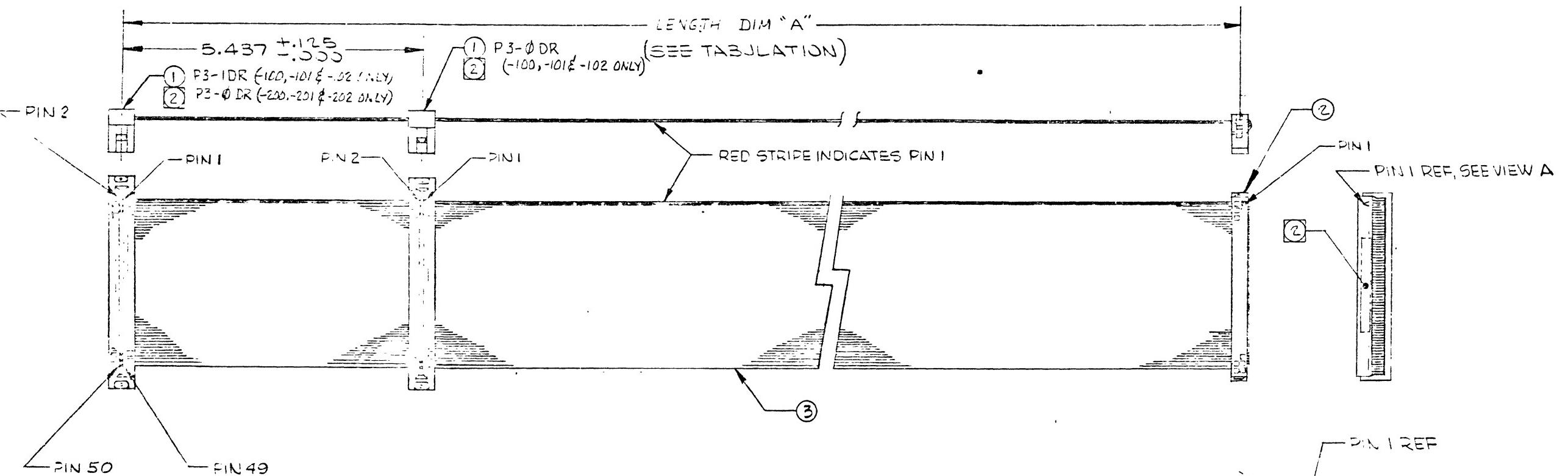
NOTES: UNLESS OTHERWISE SPECIFIED

REVISIONS		DATE APPROVED
ZONE	LTR	
X1		REL TO DEV PER ERO 501246 6-27-77 G
X2		WIRE L-3: 14.50 WAS 13.50 C) ADDED: PIN REF NUMBERS TO CONNECTORS WIRE LIST BLOCK: IS - J1-9 - J4A-1 - 10 - WHITE IS - J1-8 - J4A-1 - 5 - BROWN IS - J1-6 - J4A-2 - 9 - GRAY IS - J1-2 - J4A-2 - 6 - RED IS - J1-4 - J4A-5 - 7 - BLUE IS - J1-2 - J4A-3 - 6 - RED IS - J1-8 - J4A-3 - 9 - GRAY IS - J1-1 - J4A-4 - 5 - BROWN IS - J4A-1 - J4B-1 - 10 - WHITE IS - J4A-1 - J4B-1 - 5 - BROWN IS - J4A-2 - J4B-2 - 9 - GRAY IS - J4A-2 - J4B-2 - 6 - RED IS - J4A-3 - J4B-3 - 6 - RED IS - J4A-3 - J4B-3 - 9 - GRAY IS - J4A-4 - J4B-4 - 5 - BROWN IS - J4A-4 - J4B-4 - 10 - WHITE
X3		INCORP EO 3382 11-8-79 G

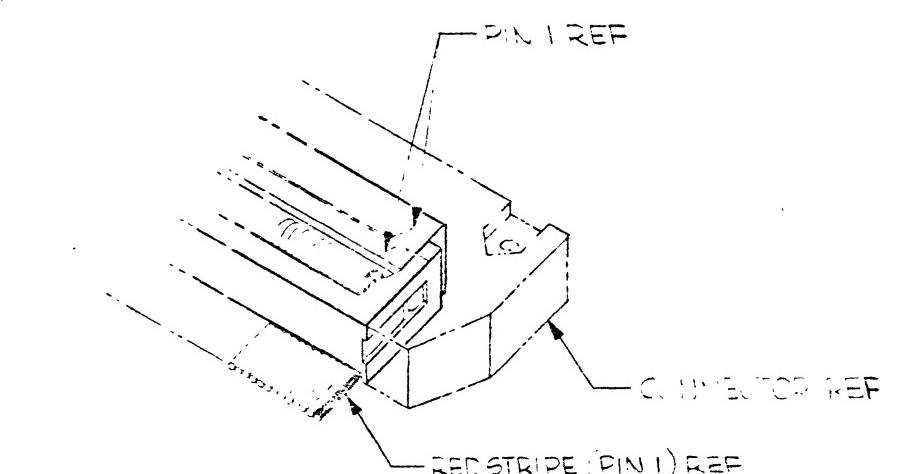
ENGINEERING RELEASE	
COGNIZANT ENGINEER	
NOT FOR FABRICATION UNLESS SIGNED BELOW	
DATE 6-27-77	

X	FOR PARTS LIST SEE SKPL701349-100			
-100	NOTE PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION / MATERIAL	SPEC/SOURCE	
PART/ASSY NO. & QTY PER ASSY		PARTS LIST	CODE IDENT NO. FIND NO.	
PART/ASSY REV LTR		CONTRACT NO.	Plessey Microsystems	
X3		DO NOT SCALE DRAWING	DWG TITLE	
		BOWTIE THREADS PER HANDBOOK H-2	CABLE ASSEMBLY,	
		COUNTERBORE AND SURFACE FILLET RADIUS TO BE AS MAXIMUM	DC PM-XS/11	
		REMOVE ALL SMOOTH AND BREAK SHARP EDGES EQUIVALENT TO SURF	A	
		ROUGHNESS OF ENGRAVED SURFACES 32.0 µIN MAX		
		STANDARD HOLE TOLERANCE PER AND 32.0		
		TOLERANCES ON JCS = ± .005 JCS = ± .005 ANGLES = ± 0° 30'		
		INTERPRET DIMENSIONS AND TOLERANCES PER U.S.A. STANDARDS		
		DIMENSIONS ARE IN INCHES AND APPLY AFTER HEAT TREAT AND FINISH		
		UNLESS OTHERWISE SPECIFIED		
		APPROVALS	SCALE: 1:1	1 SHEET 1 OF 1
		D 52648 SK 701349		DIST NO 1347

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TABULATION		
ASSY NO.	LINE	ST. A
-100	20.00	+2.00 -2.00
-101	120.00	+2.00 -2.00
-102	30.00	+2.00 -2.00
-200	36.00	+2.00 -2.00
-201	120.00	+4.00 -4.00
-202	180.00	+6.00 -6.00



VIEW A  
SCALE: NONE  
INSTALLATION VIEW

- ② MARK ASSEMBLY NUMBER, DESIGNATIONS AND LATEST ASSEMBLY REV.  
LETTER WITH .1C HIGH CHARACTERS. USING BLACK INK PER MIL-M-1323  
GROUP III, LOCATION APPROXIMATELY AS SHOWN.

I. ASSEMBLE AND INSPECT. PER WORKMANSHIP STANDARDS MANUAL.

NOTES: UNLESS OTHERWISE SPECIFIED